

Fig. 1

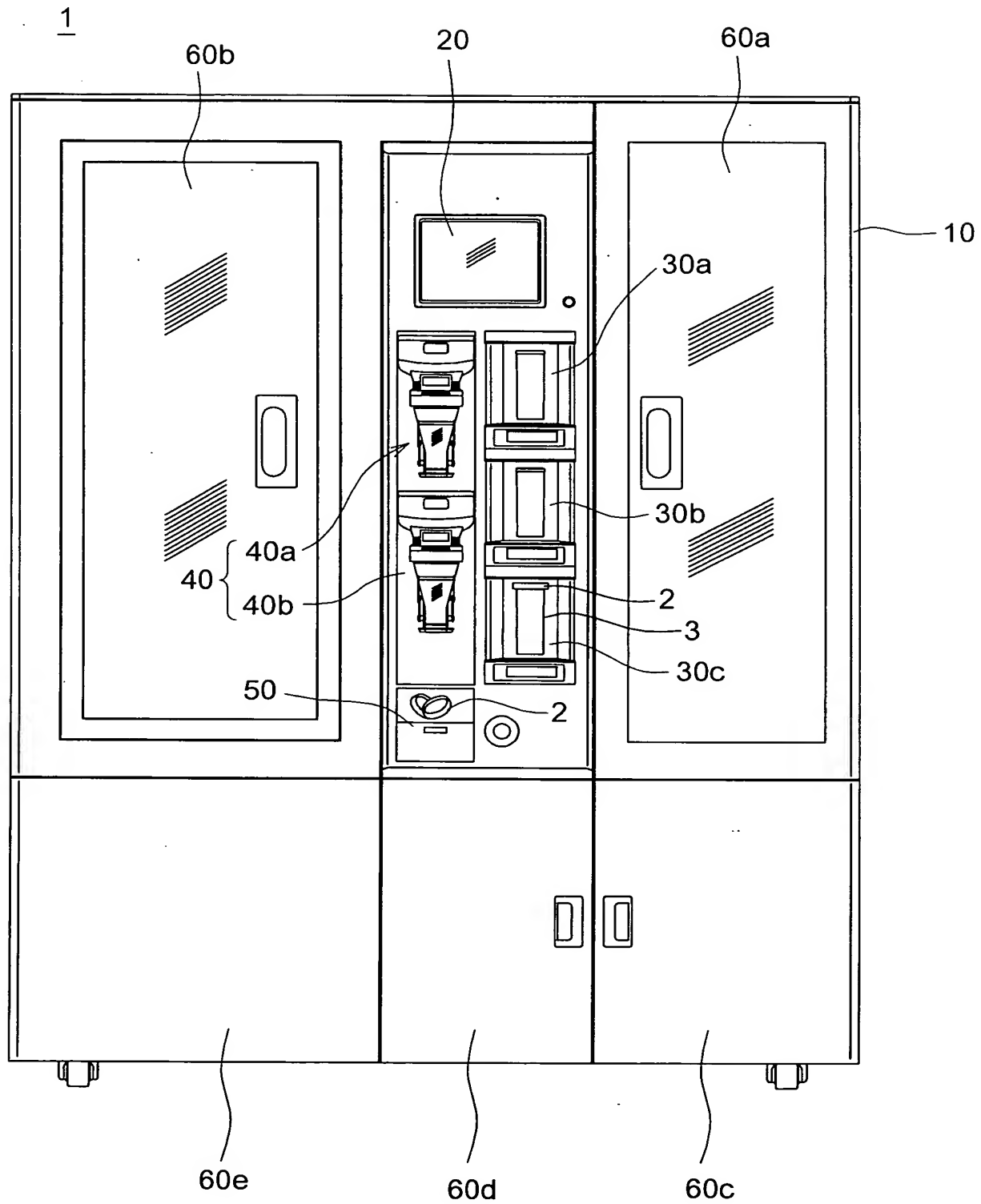


Fig.2

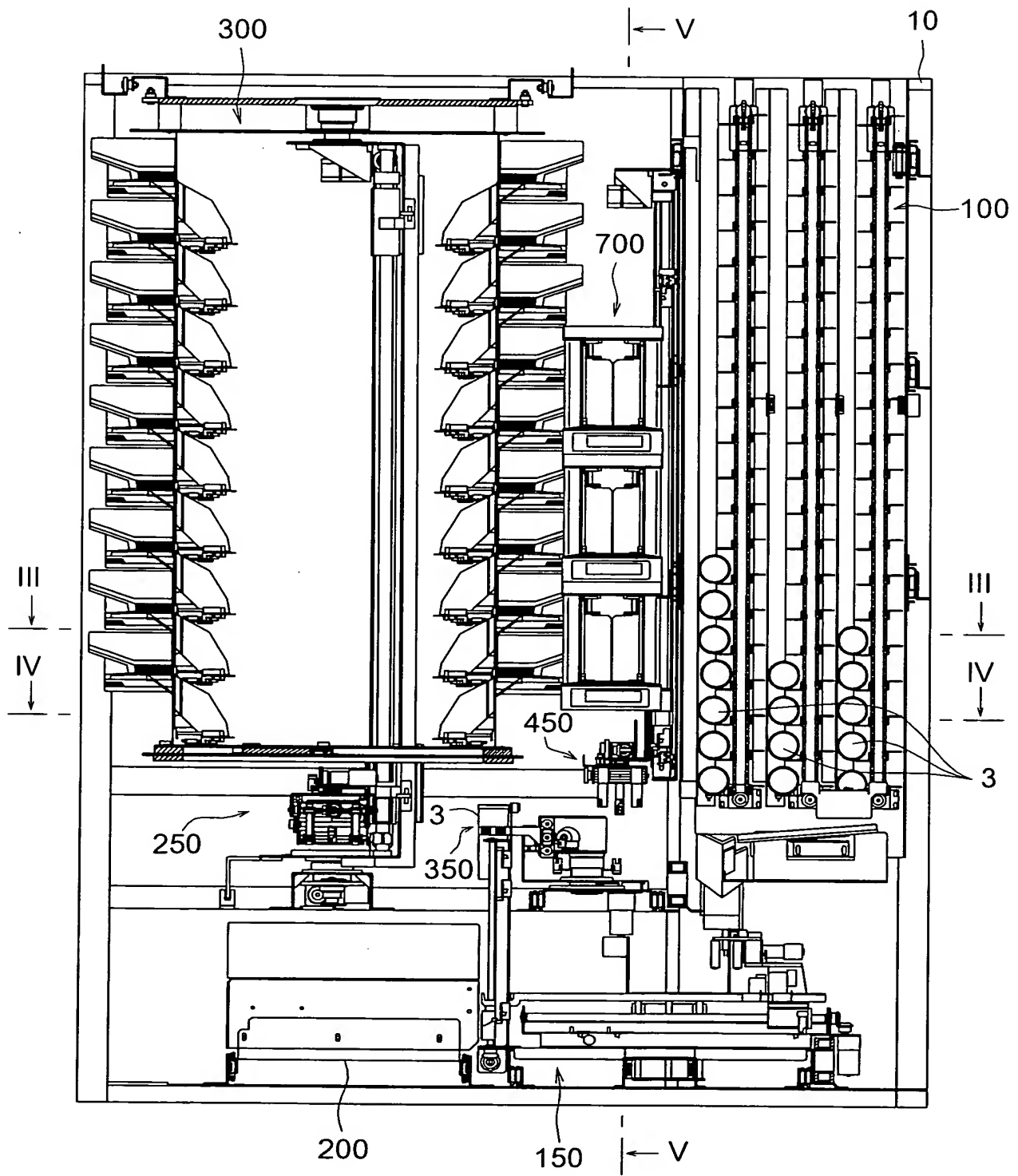


Fig.3

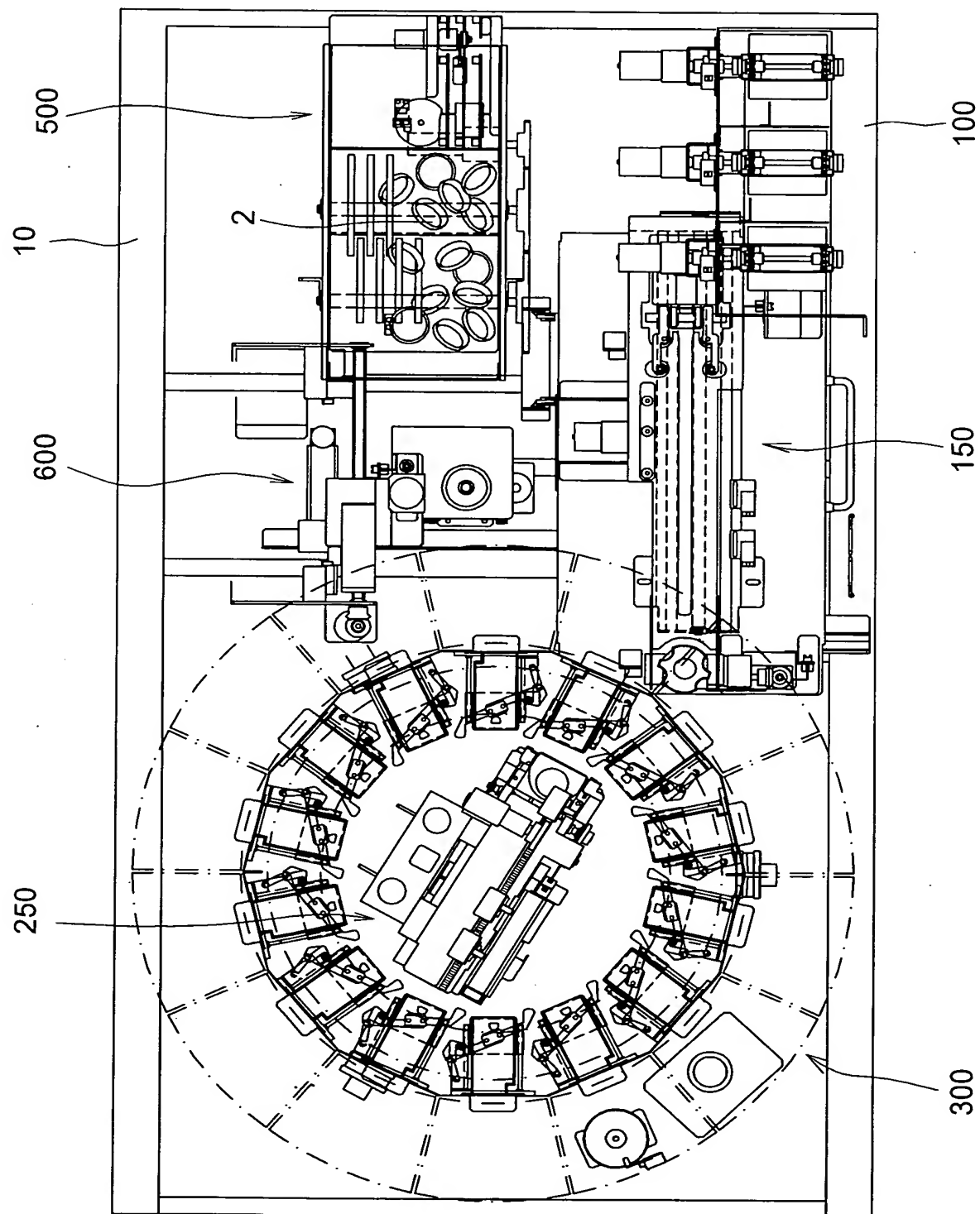


Fig.4

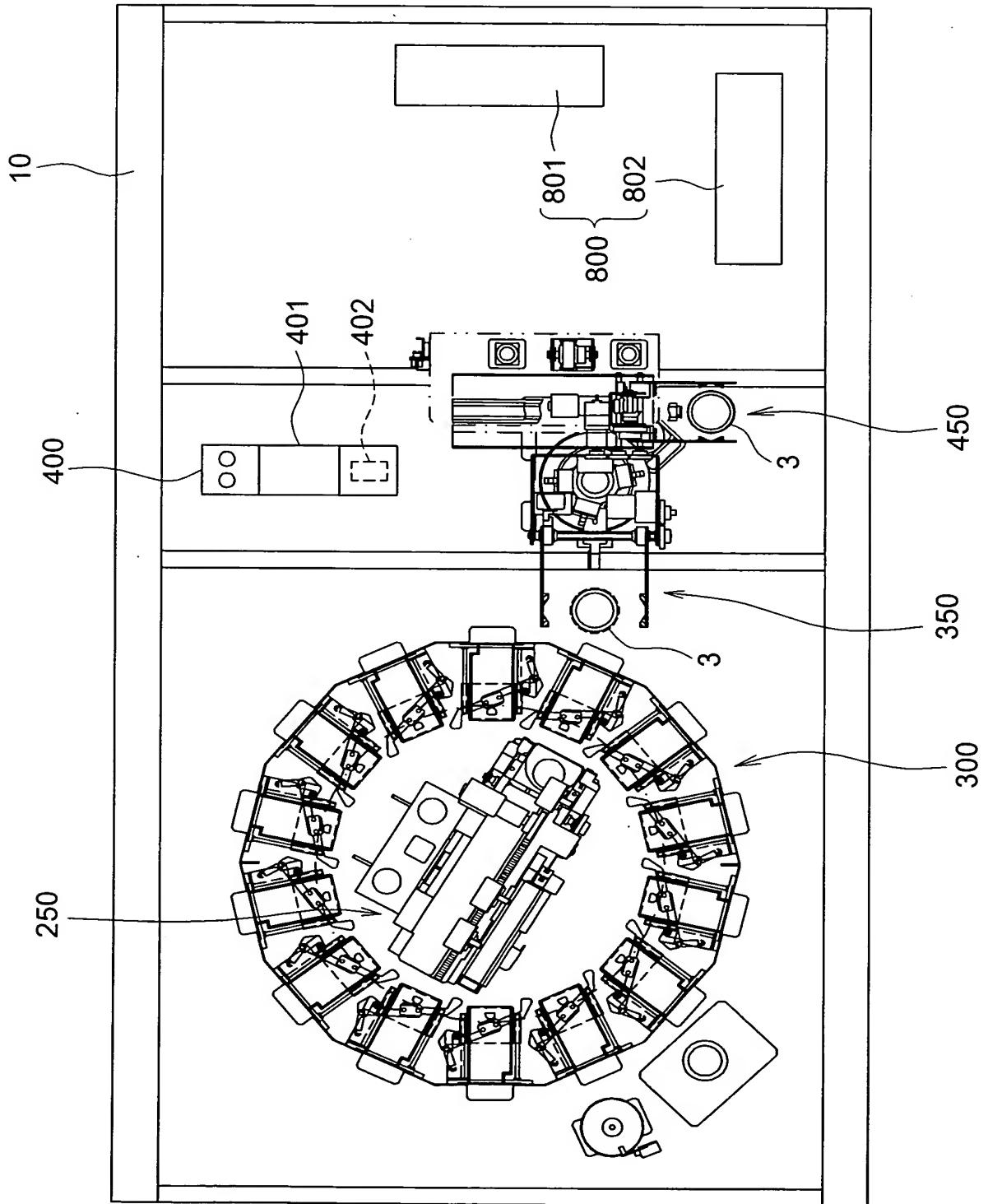


Fig.5

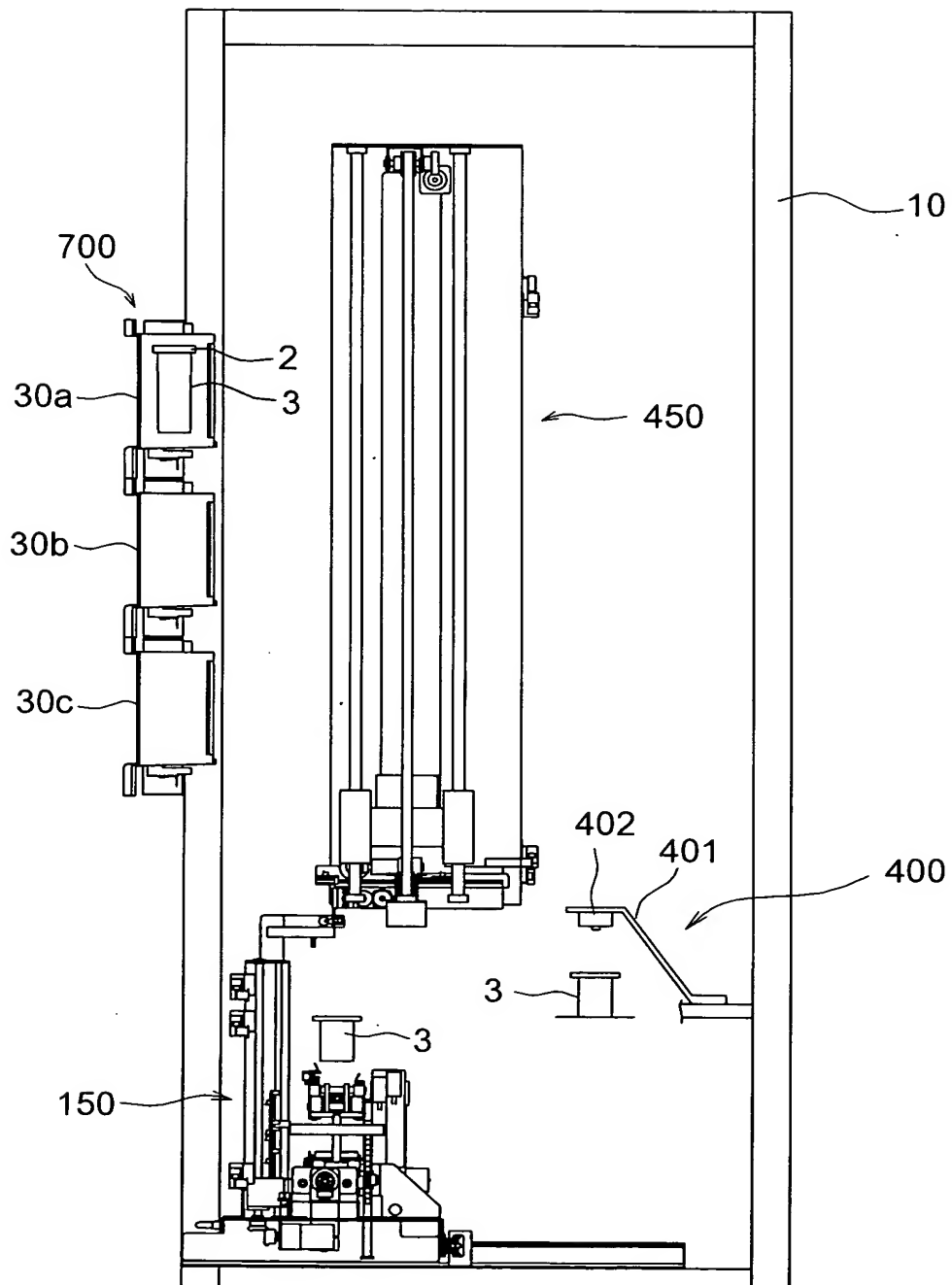


Fig. 6

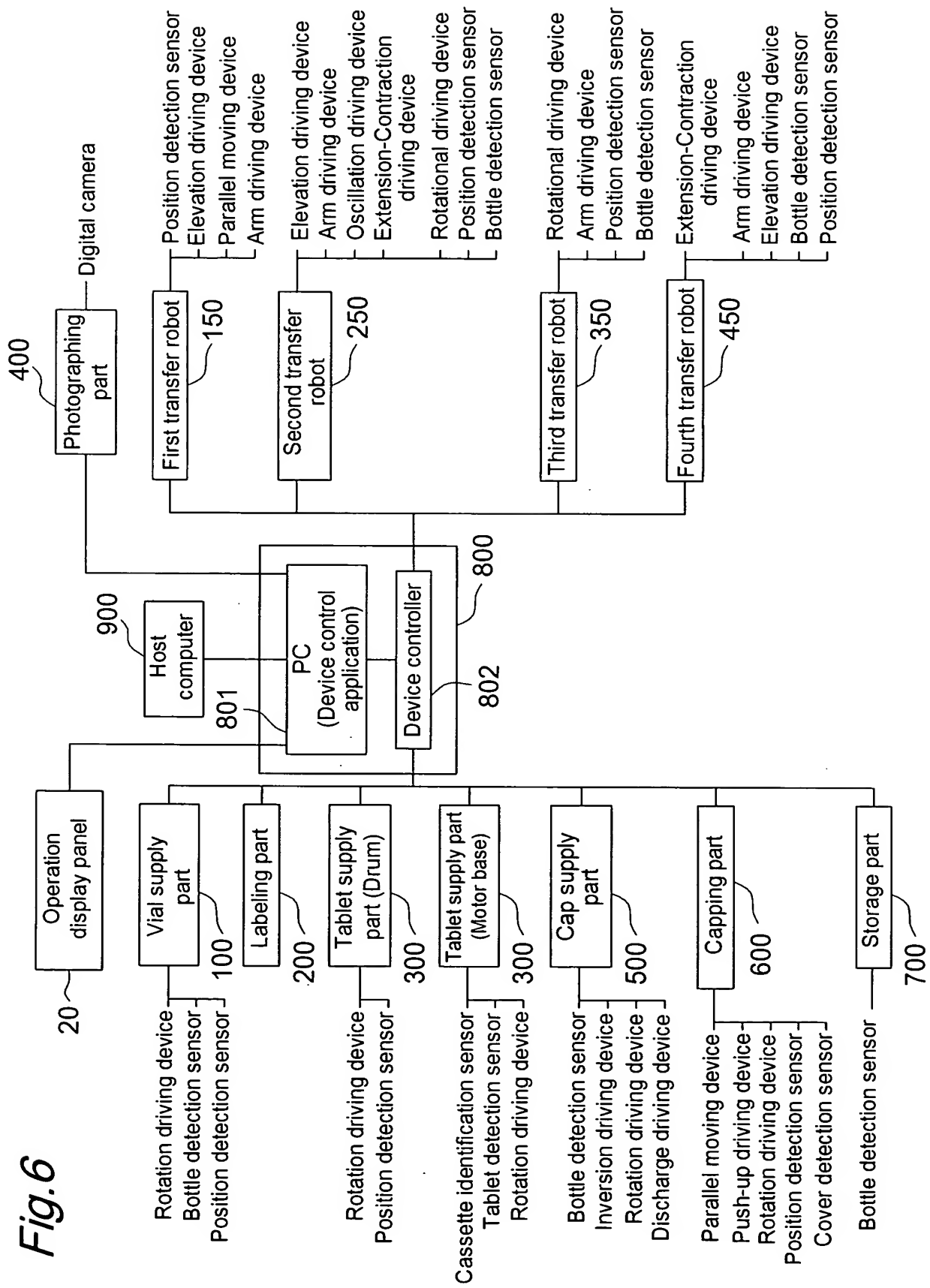
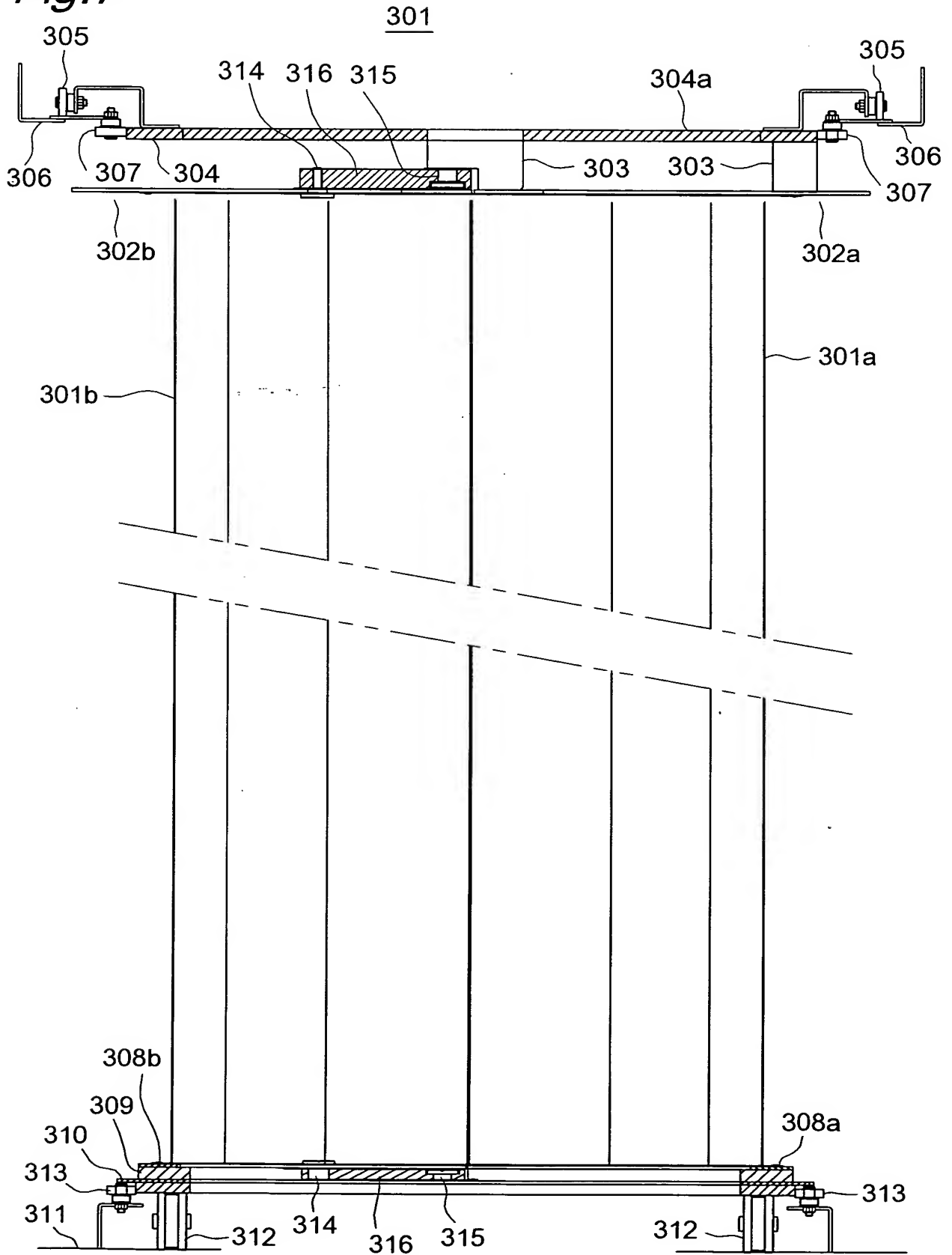


Fig. 7



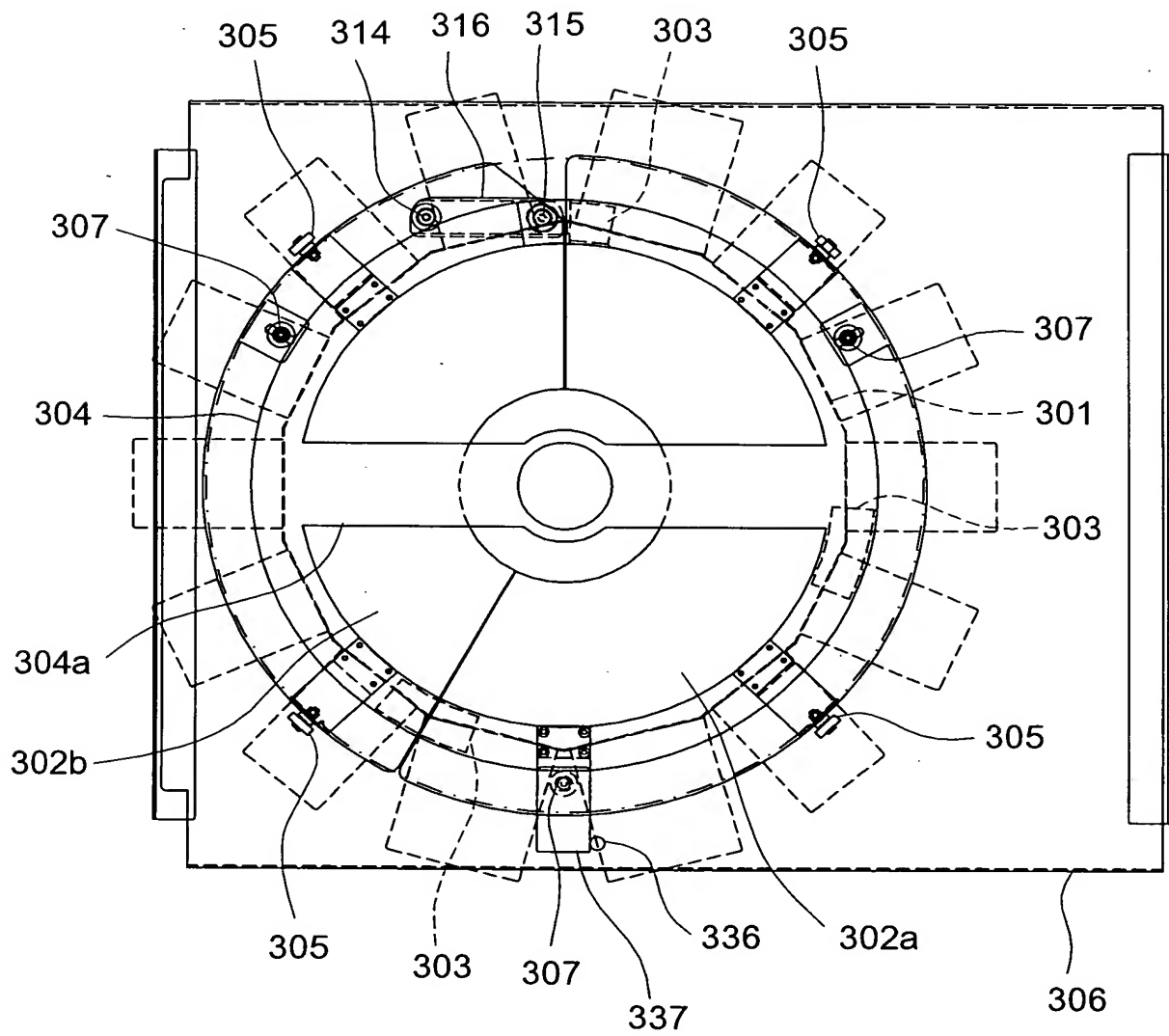


Fig. 9

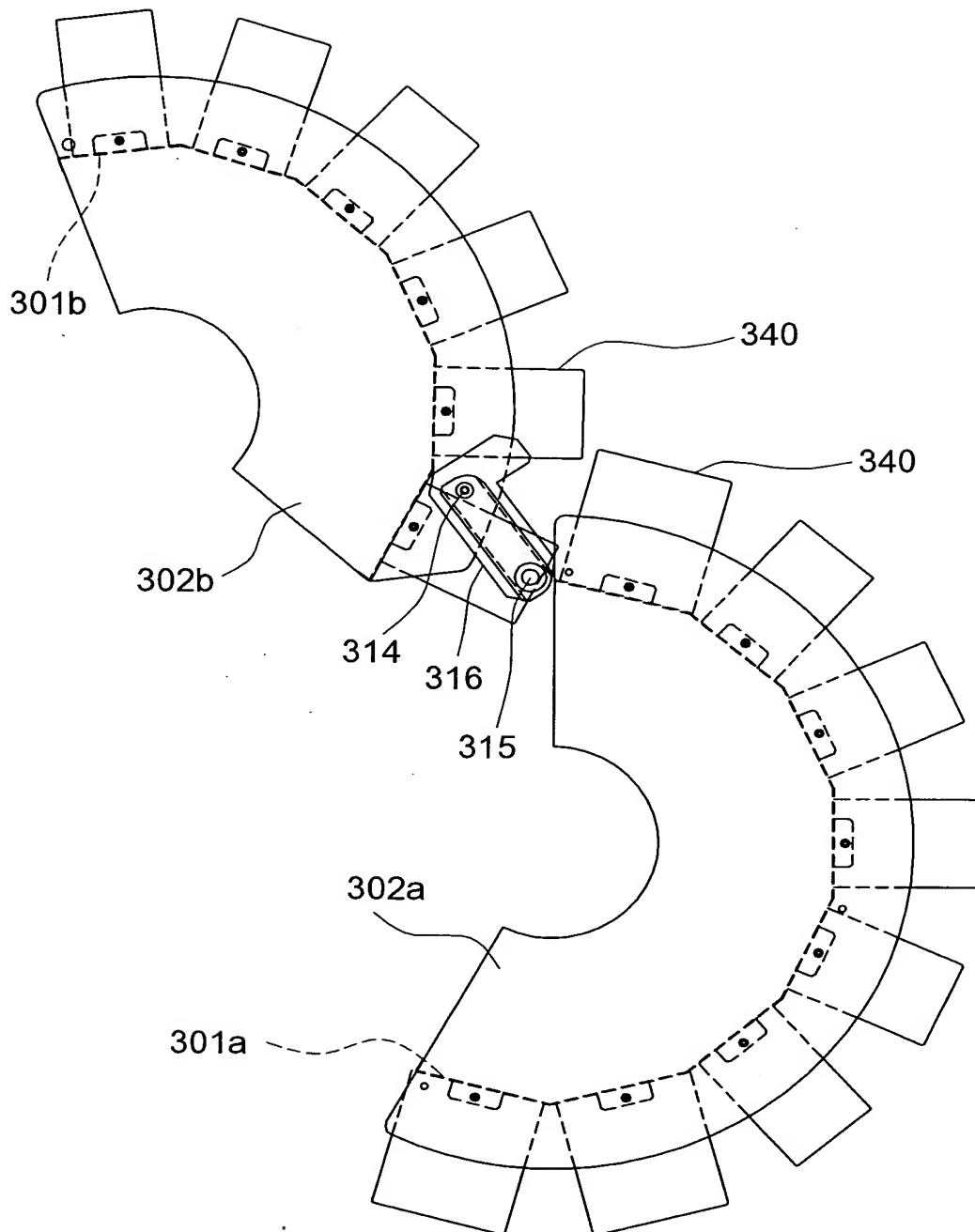


Fig. 10

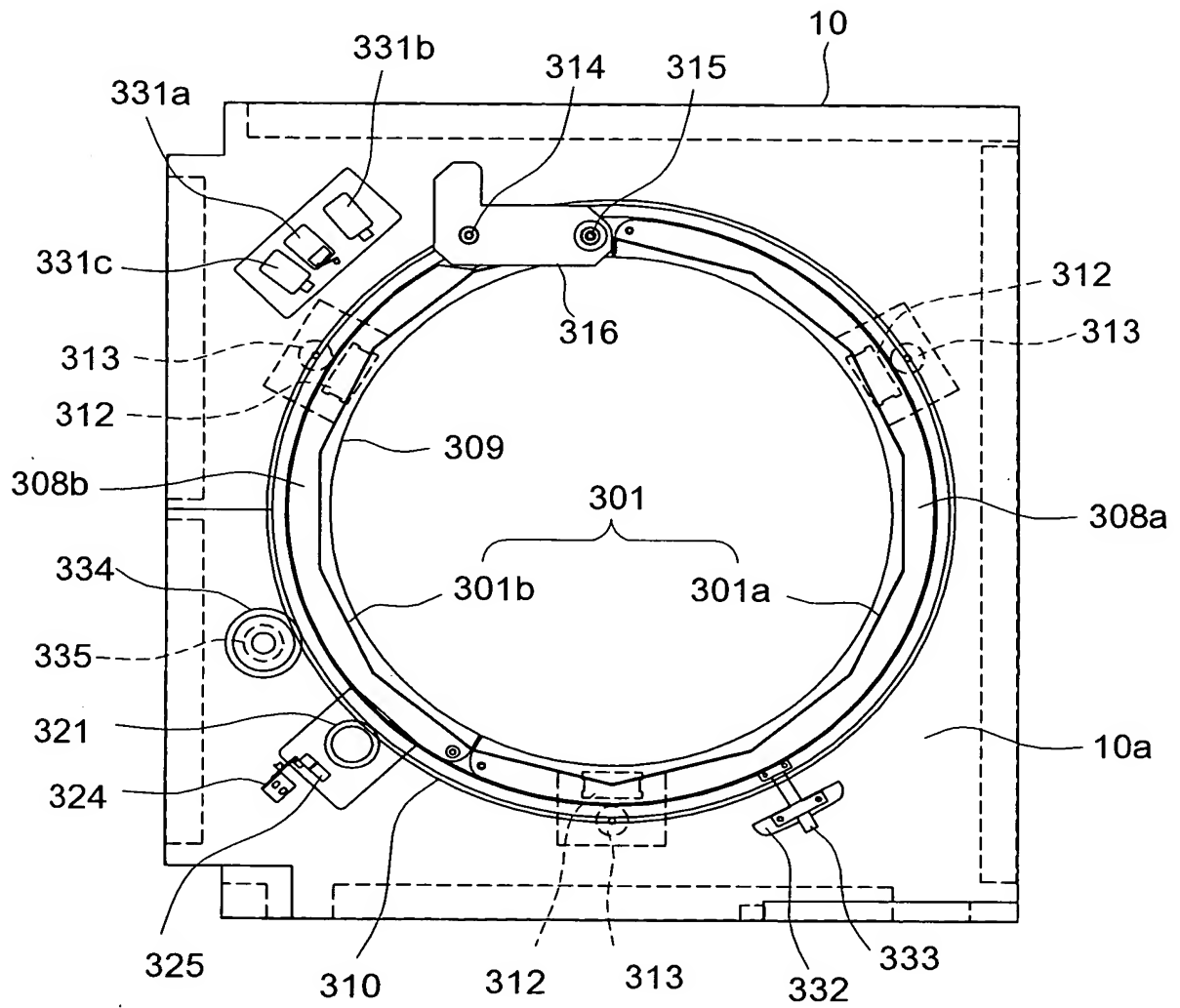


Fig. 11

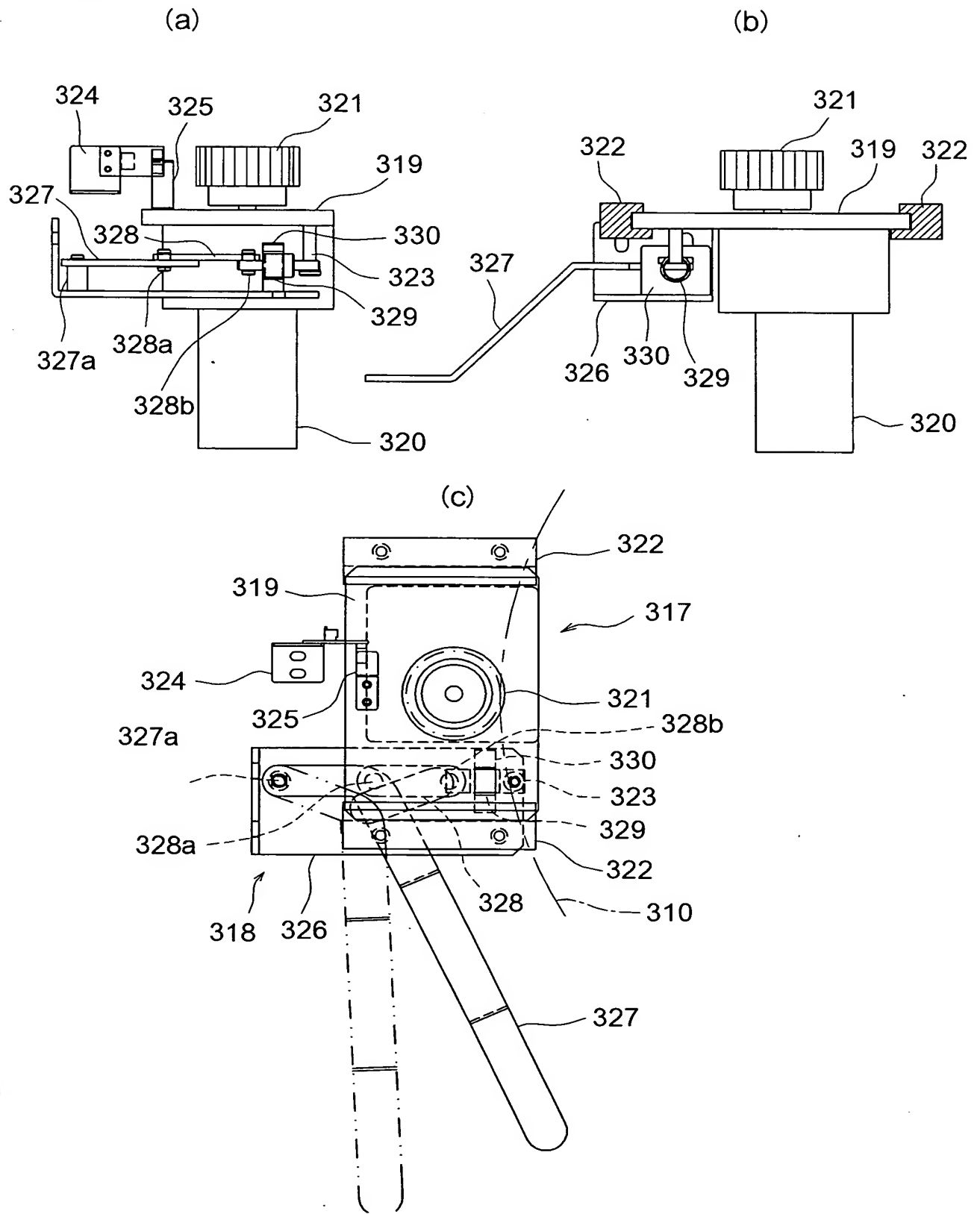


Fig. 12

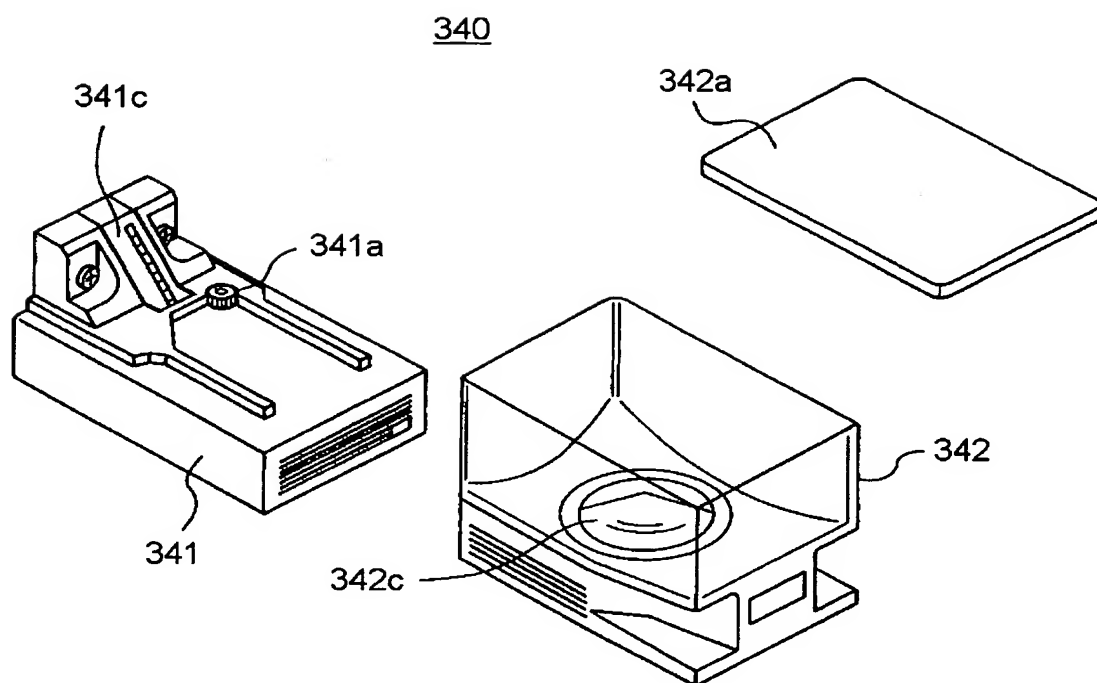


Fig. 13

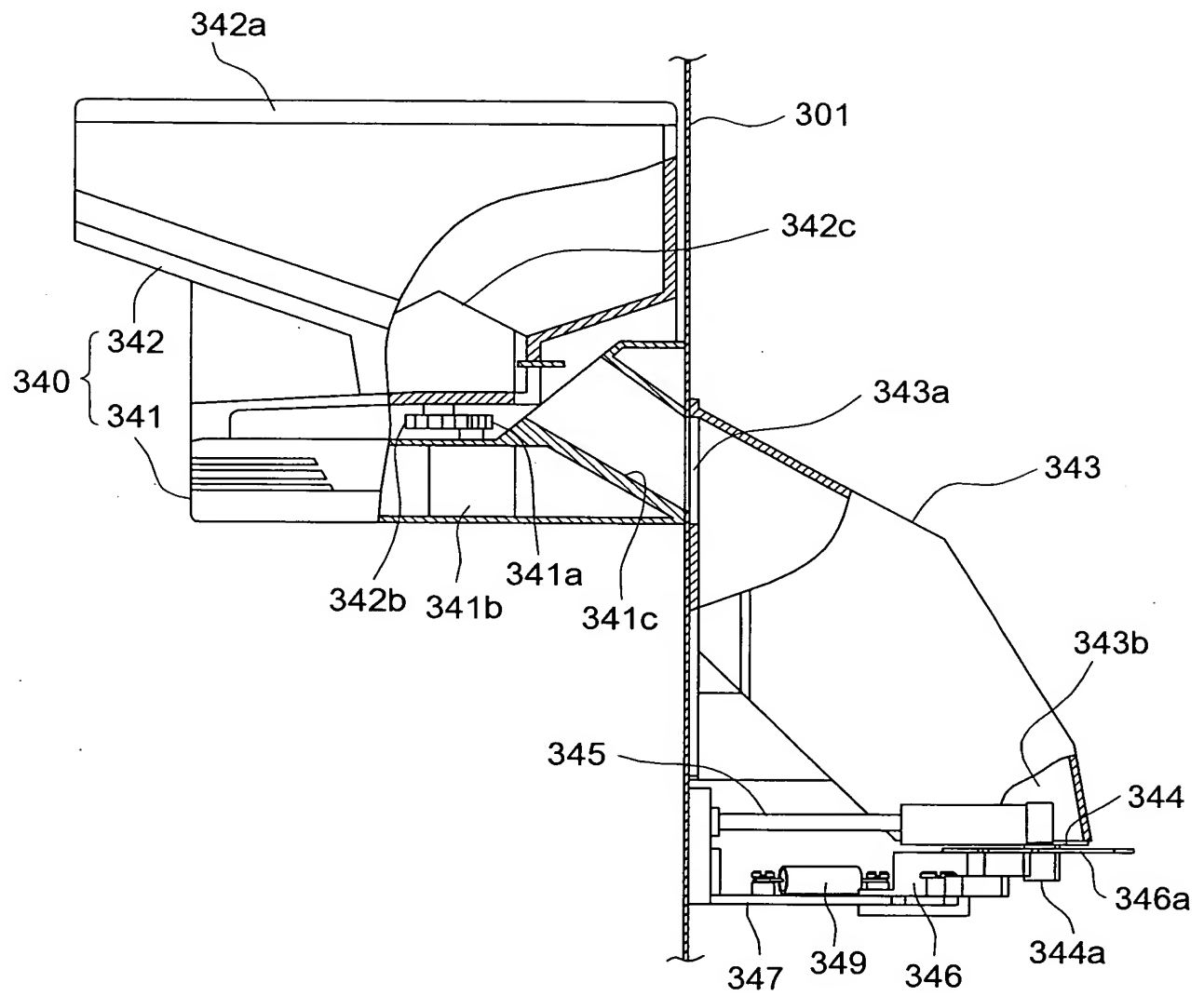


Fig. 15

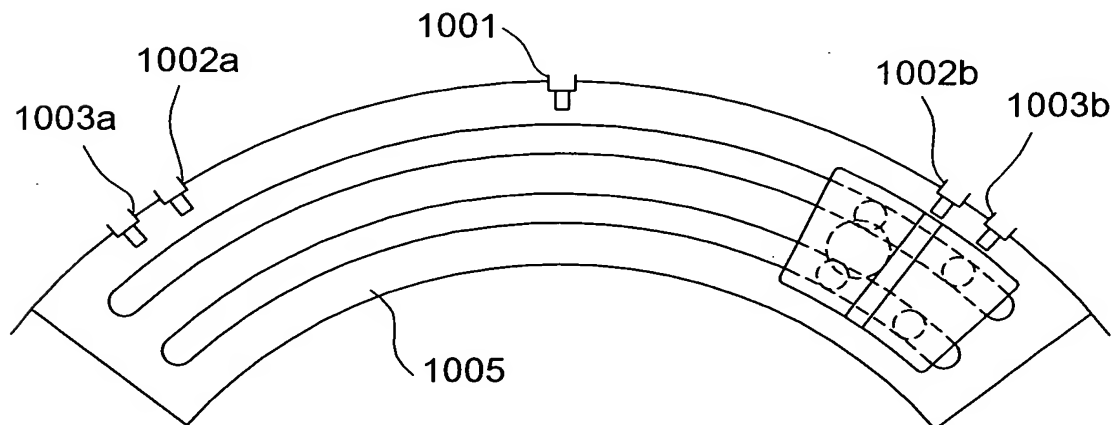
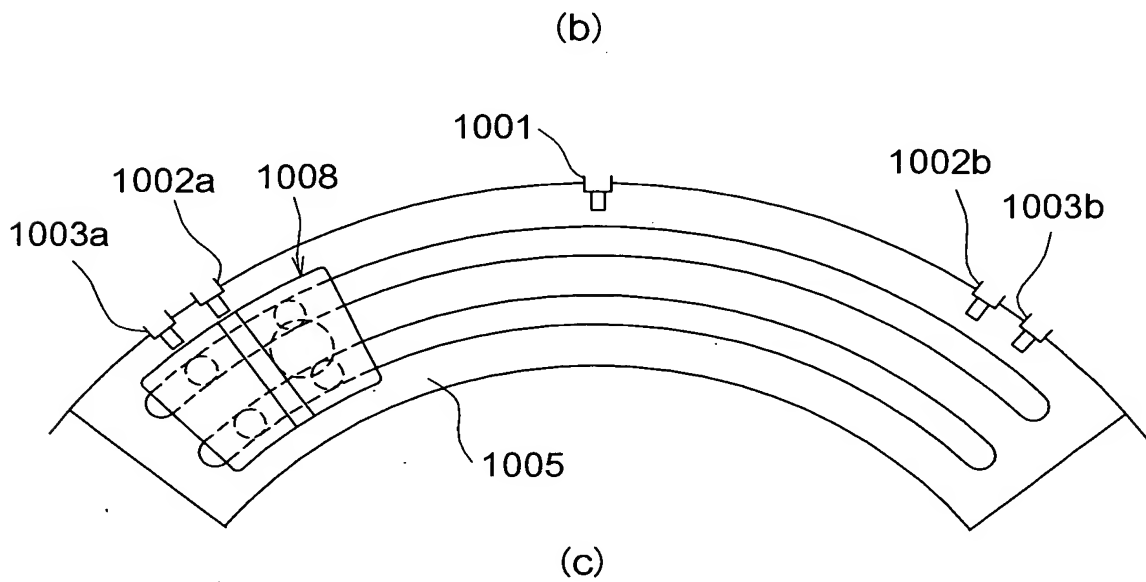
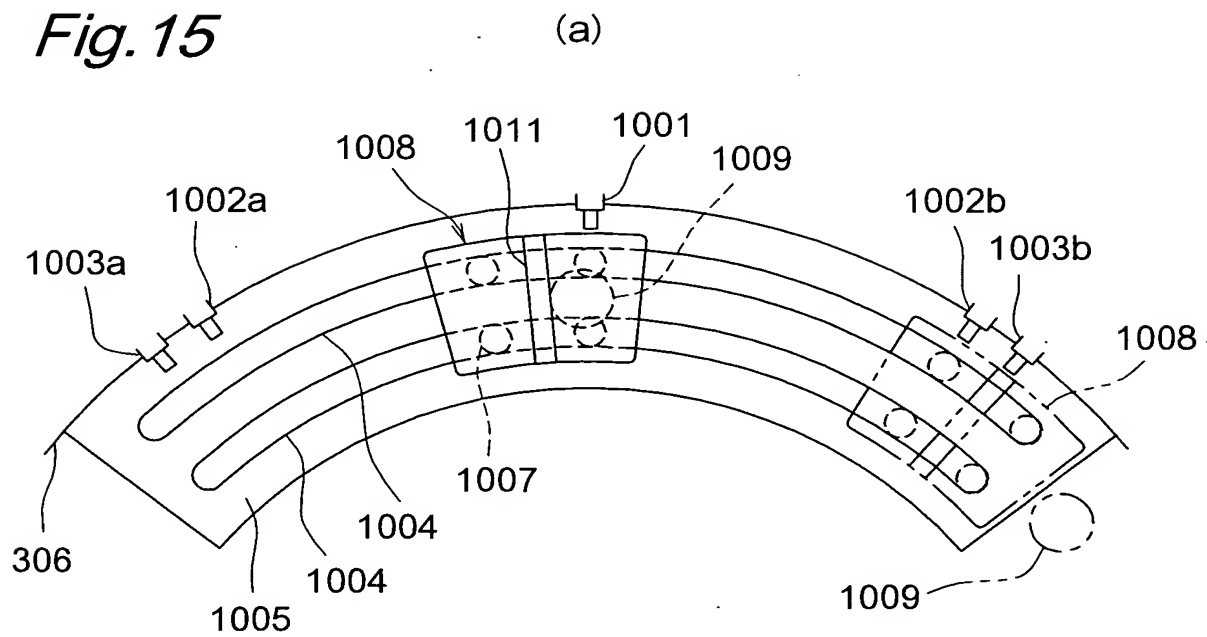


Fig. 16

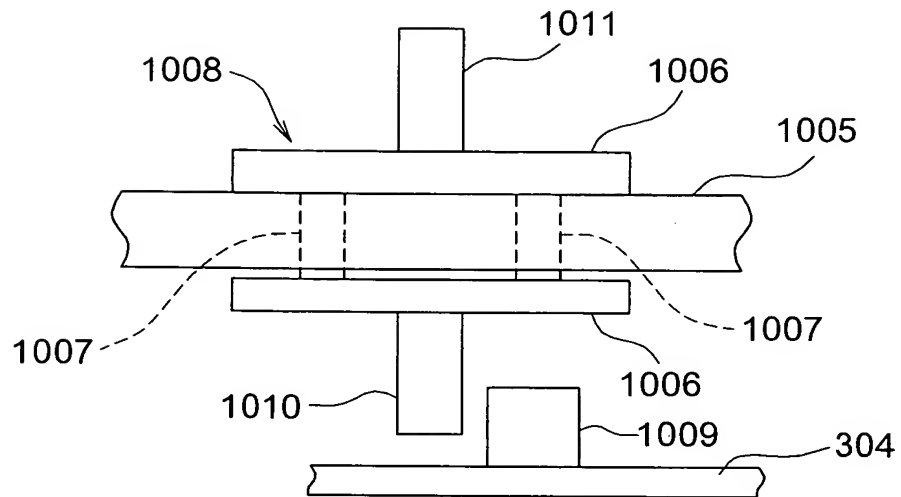


Fig. 17

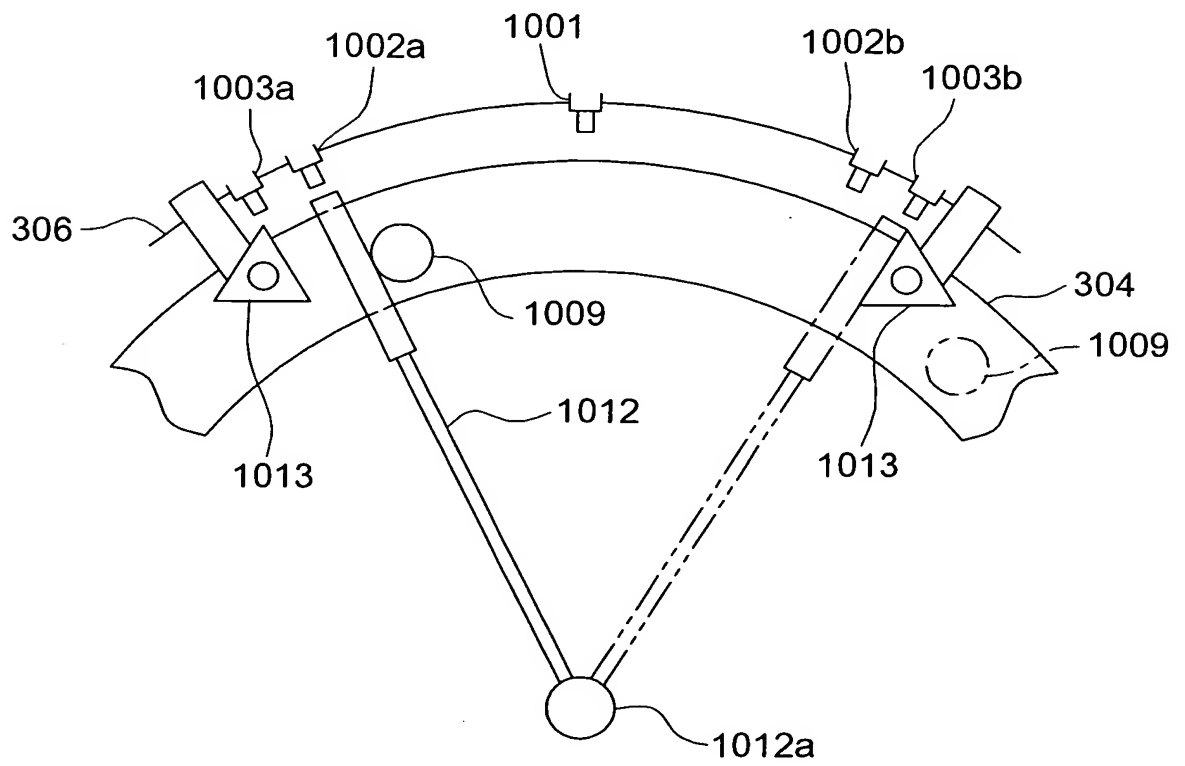


Fig. 18

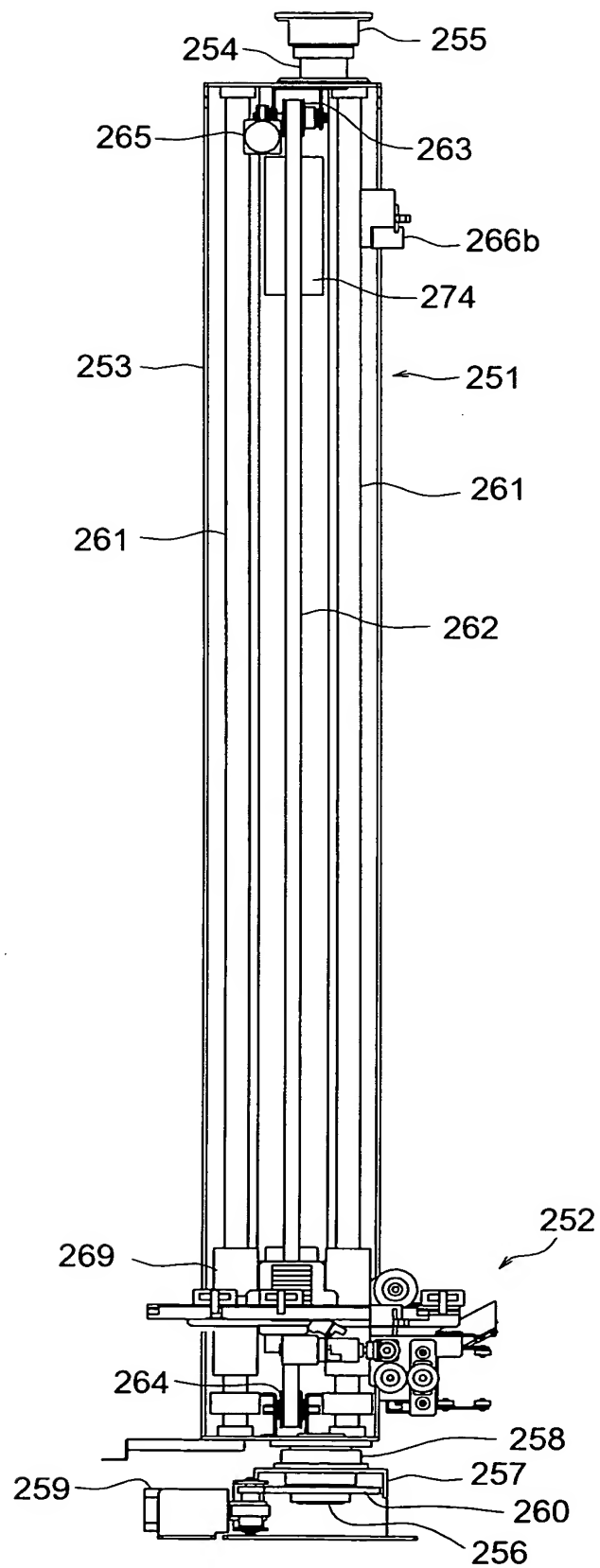


Fig. 19

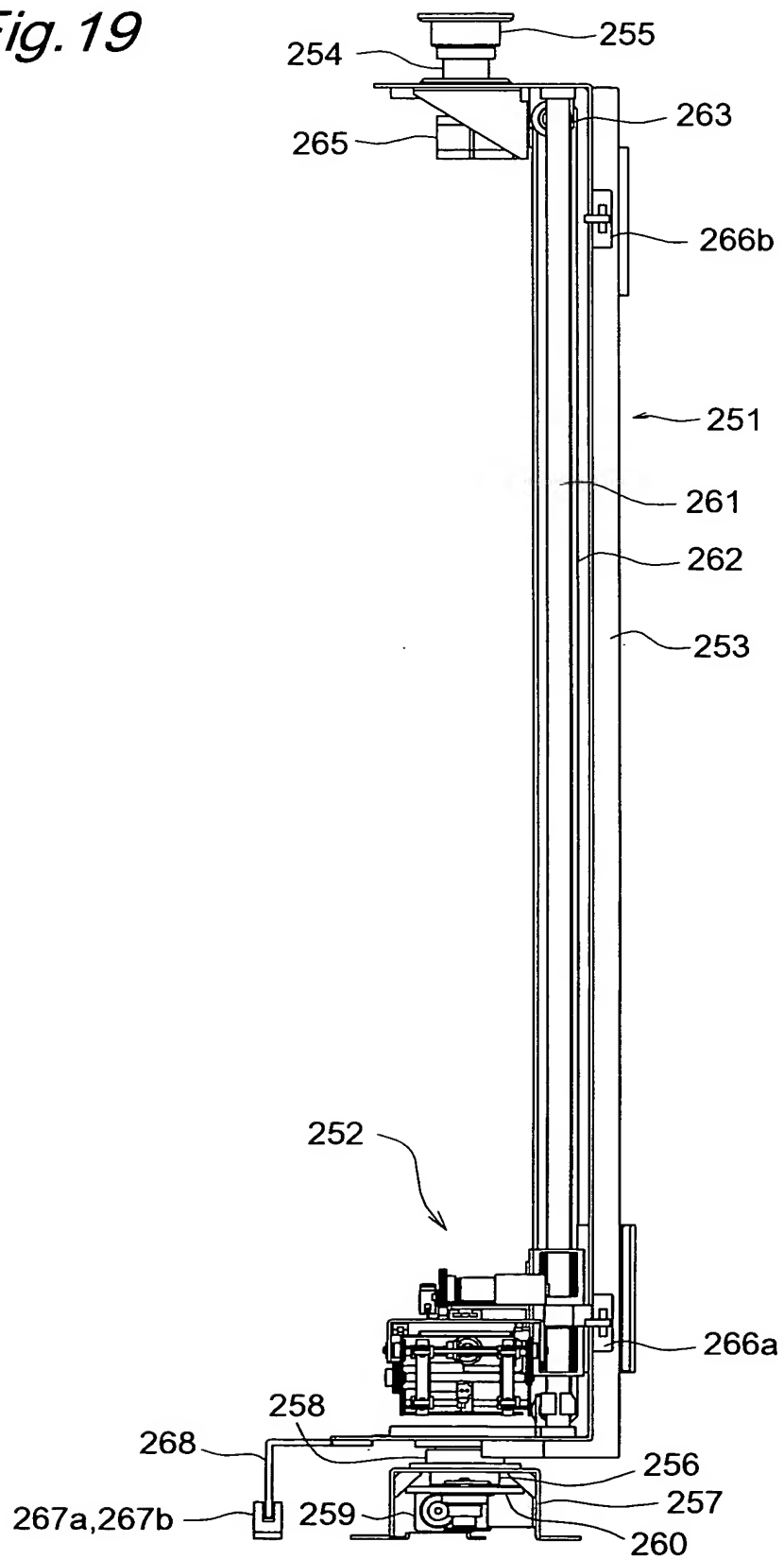
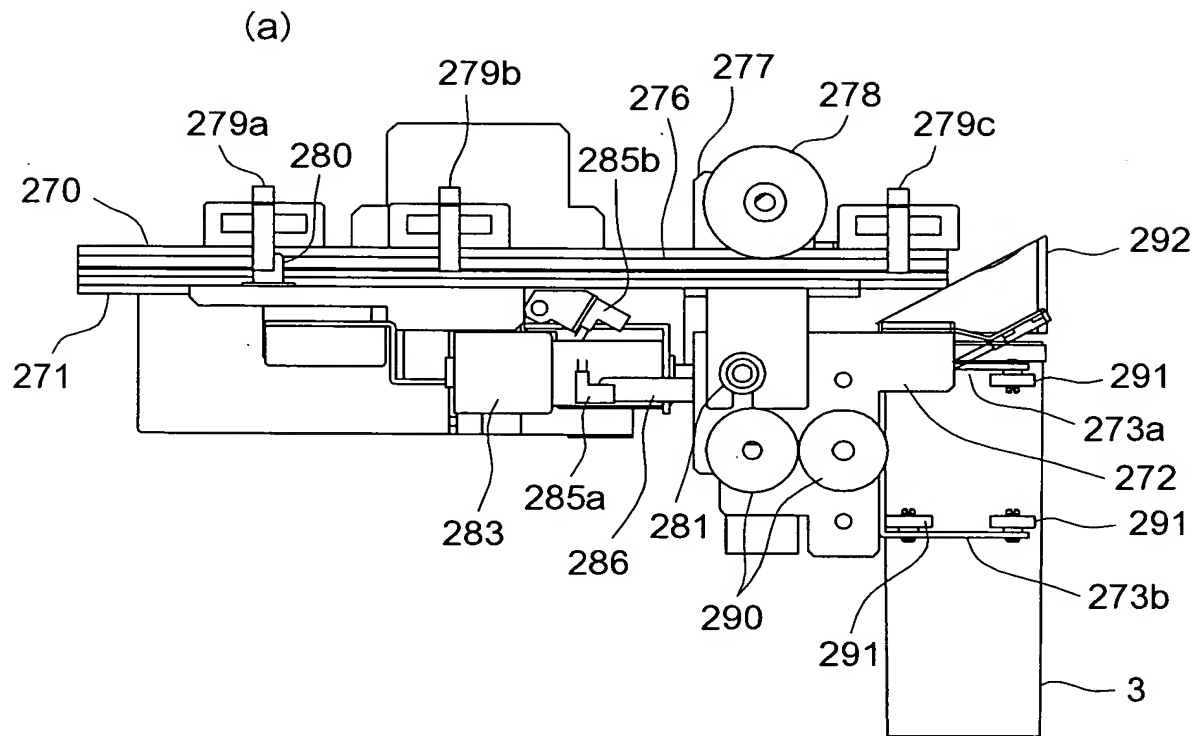


Fig.20



(b)

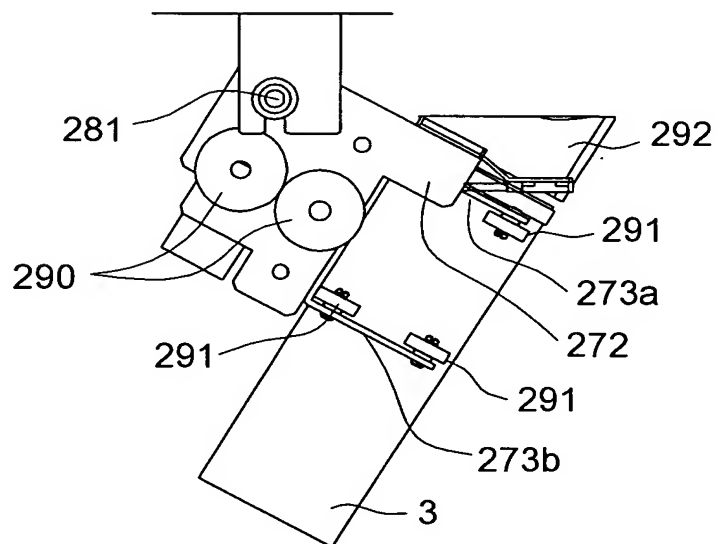


Fig.21

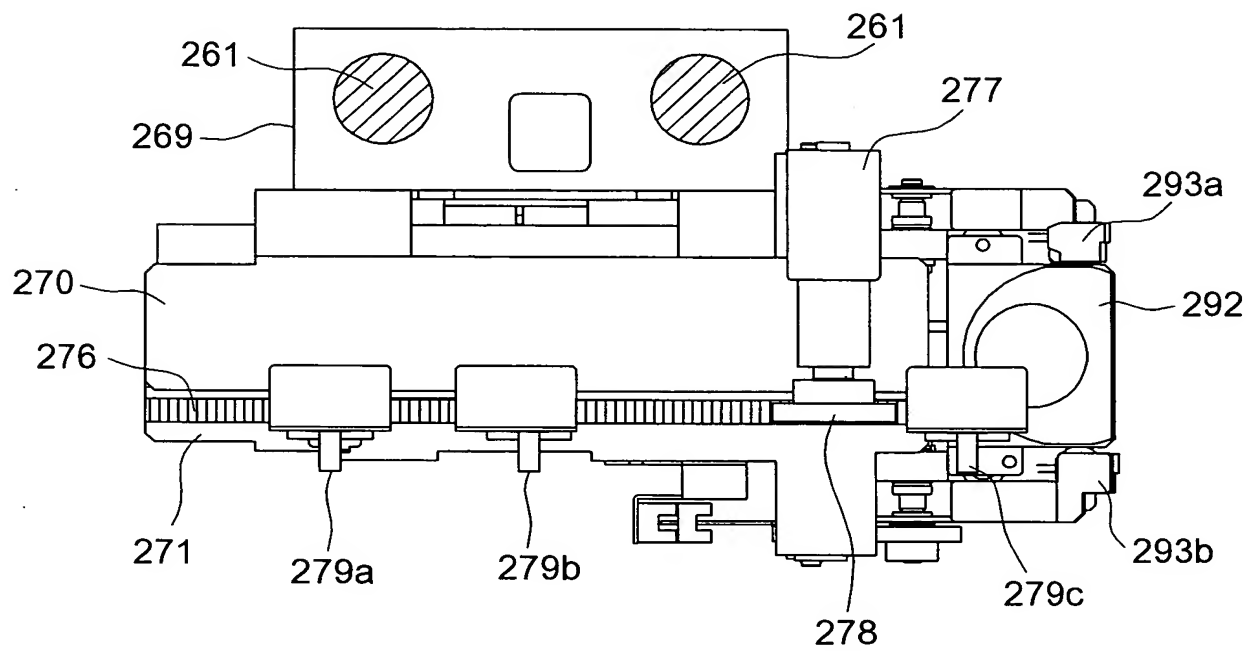


Fig.23

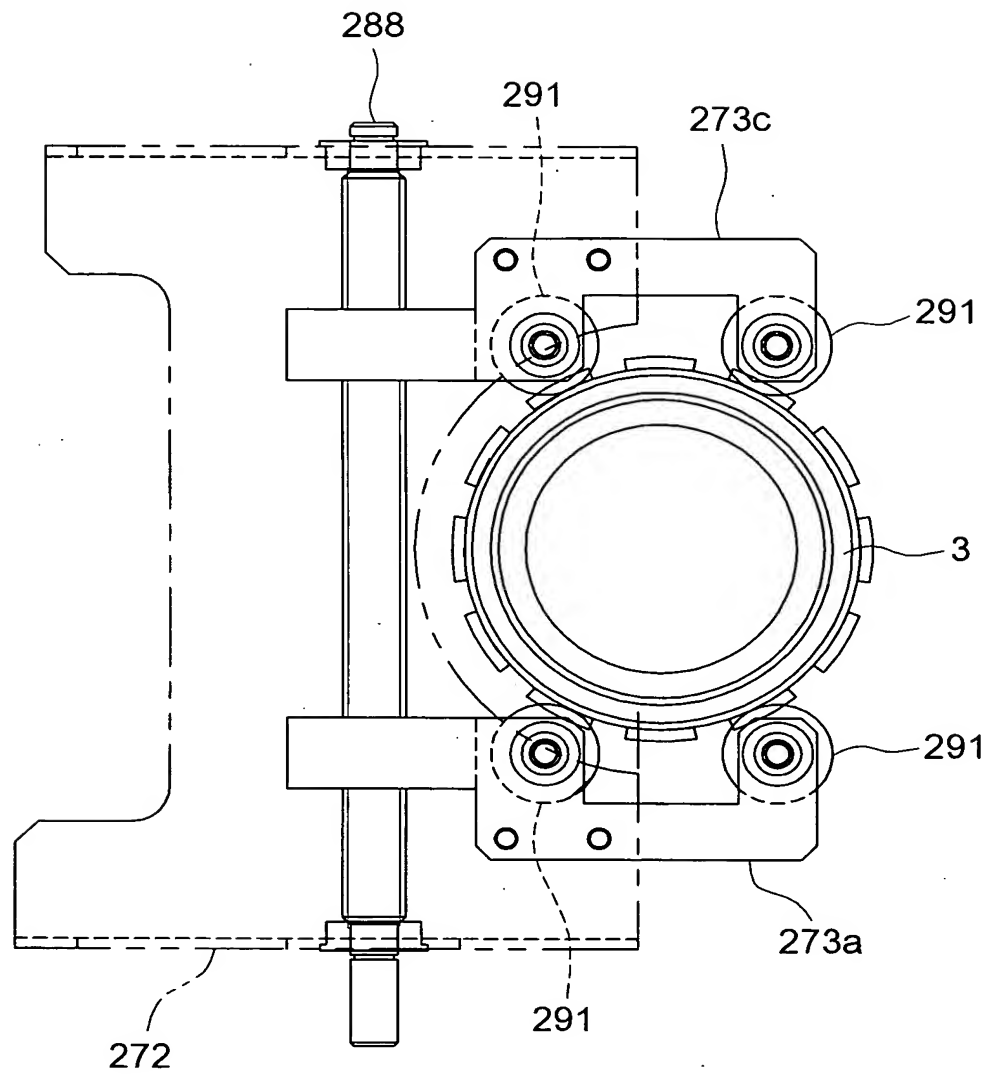


Fig.24

Second robot arm

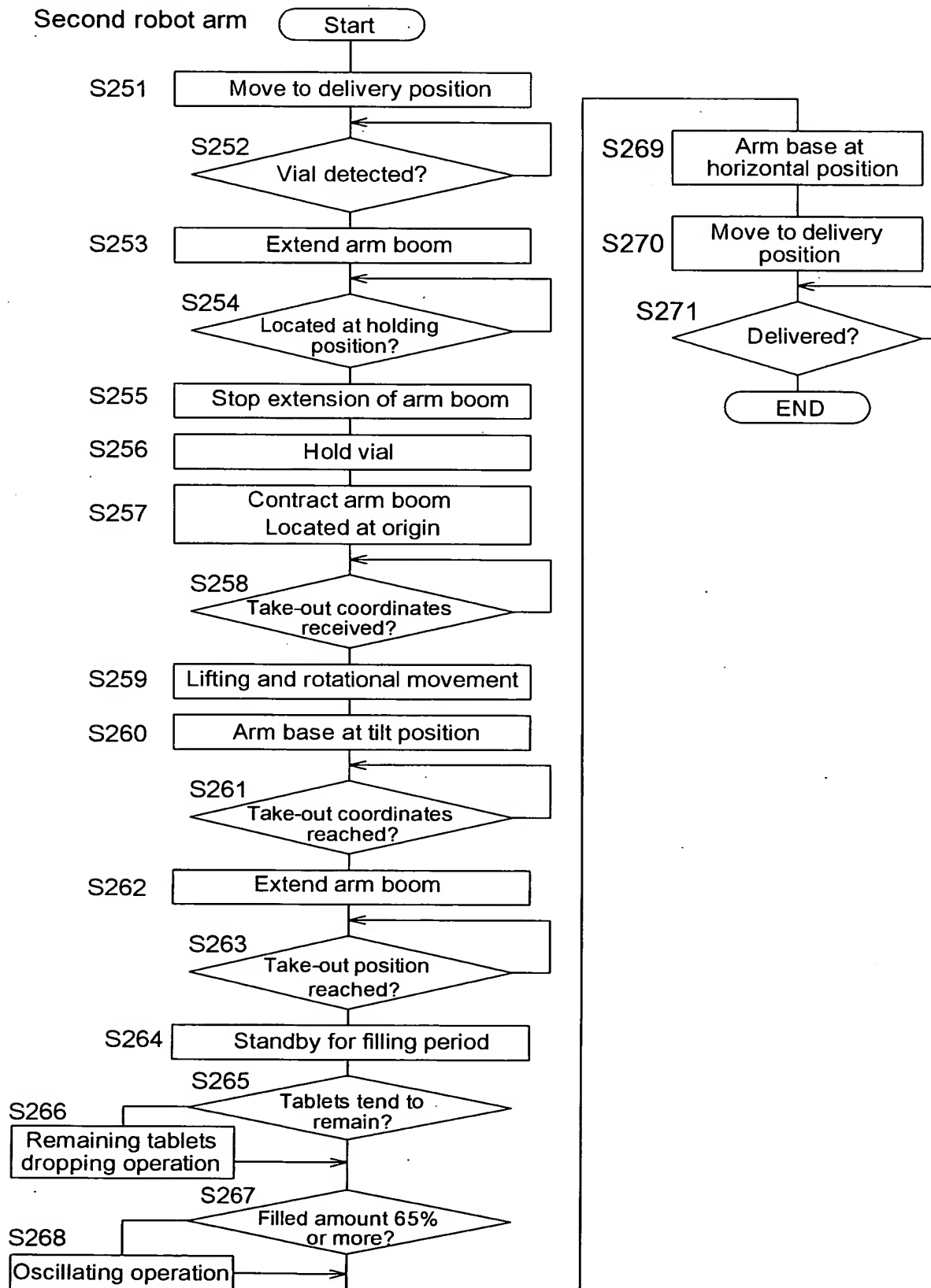


Fig.25

Mutual control

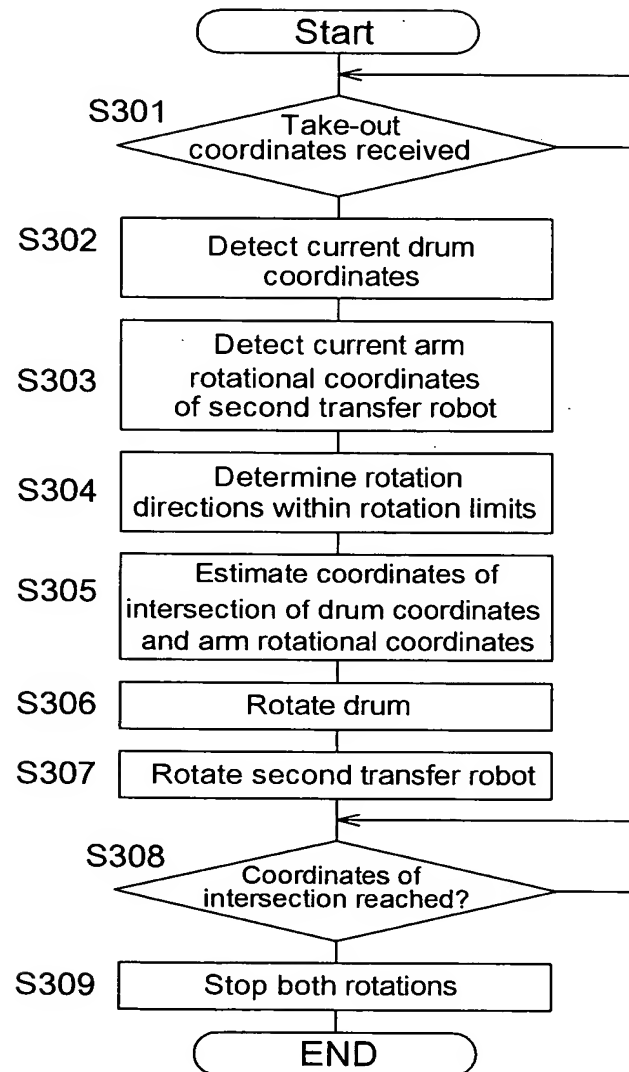


Fig.26

Drum control

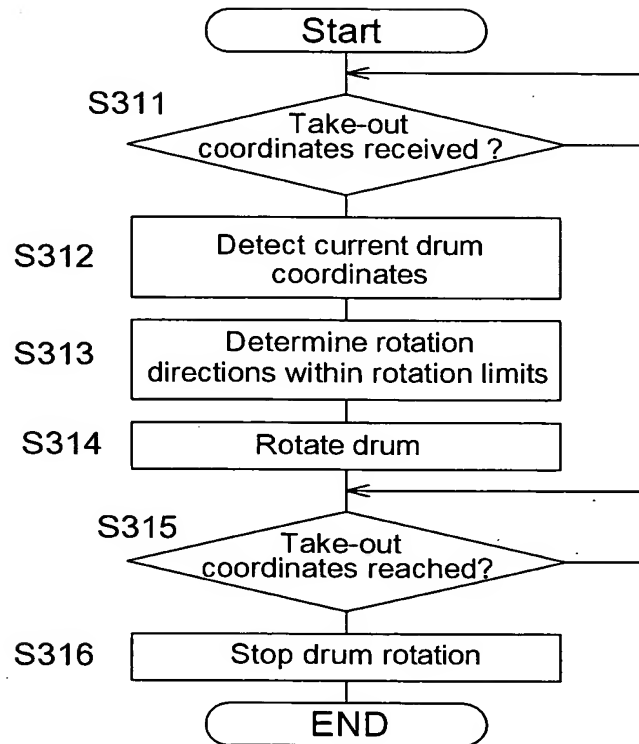


Fig.27

Robot arm control

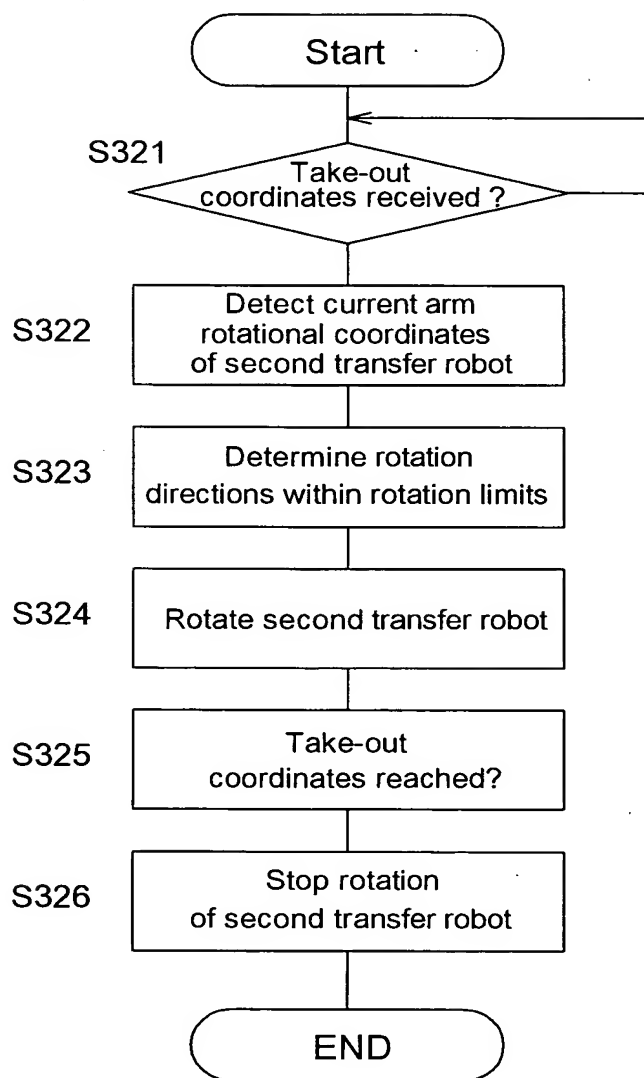


Fig.28

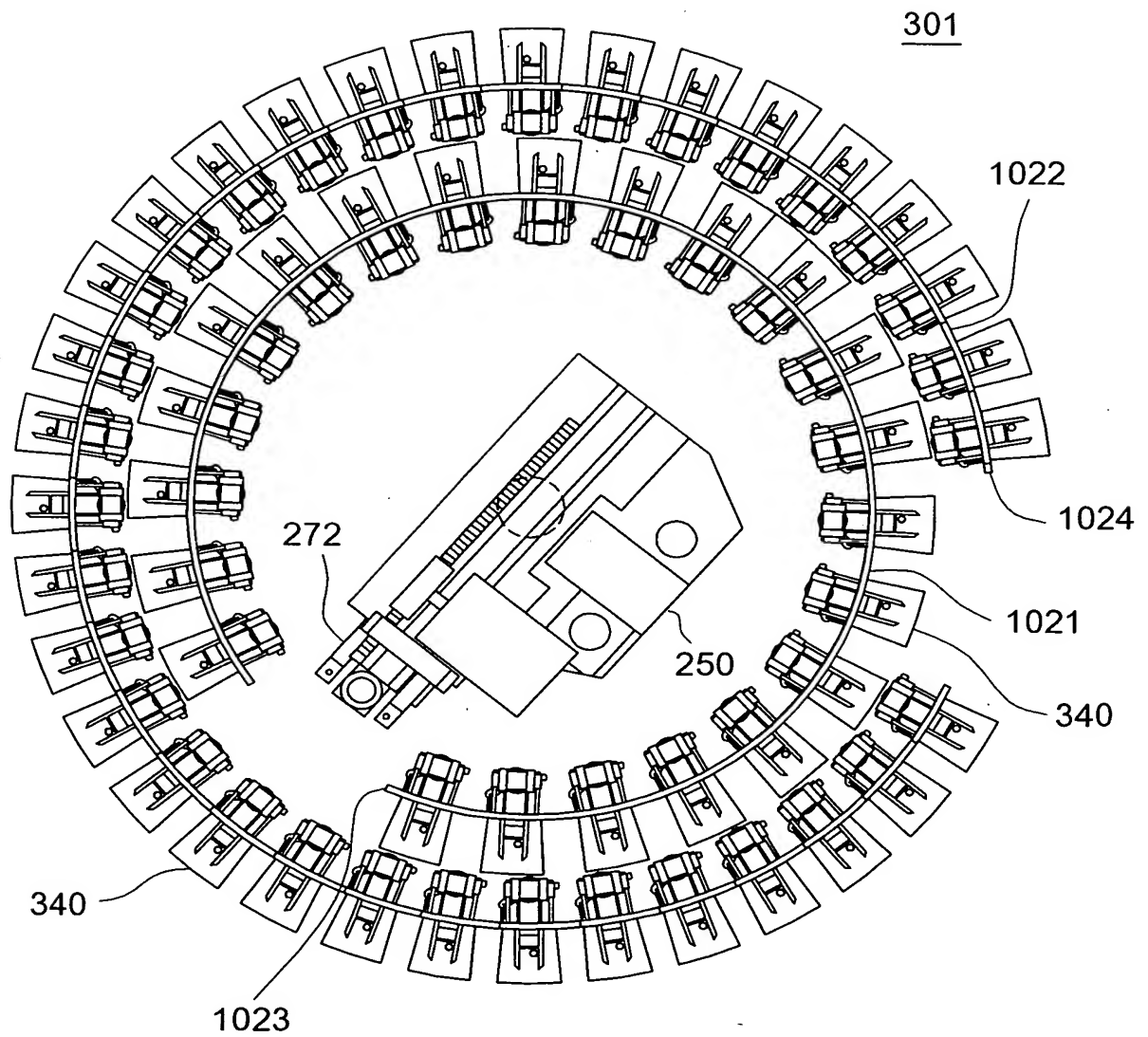


Fig.29

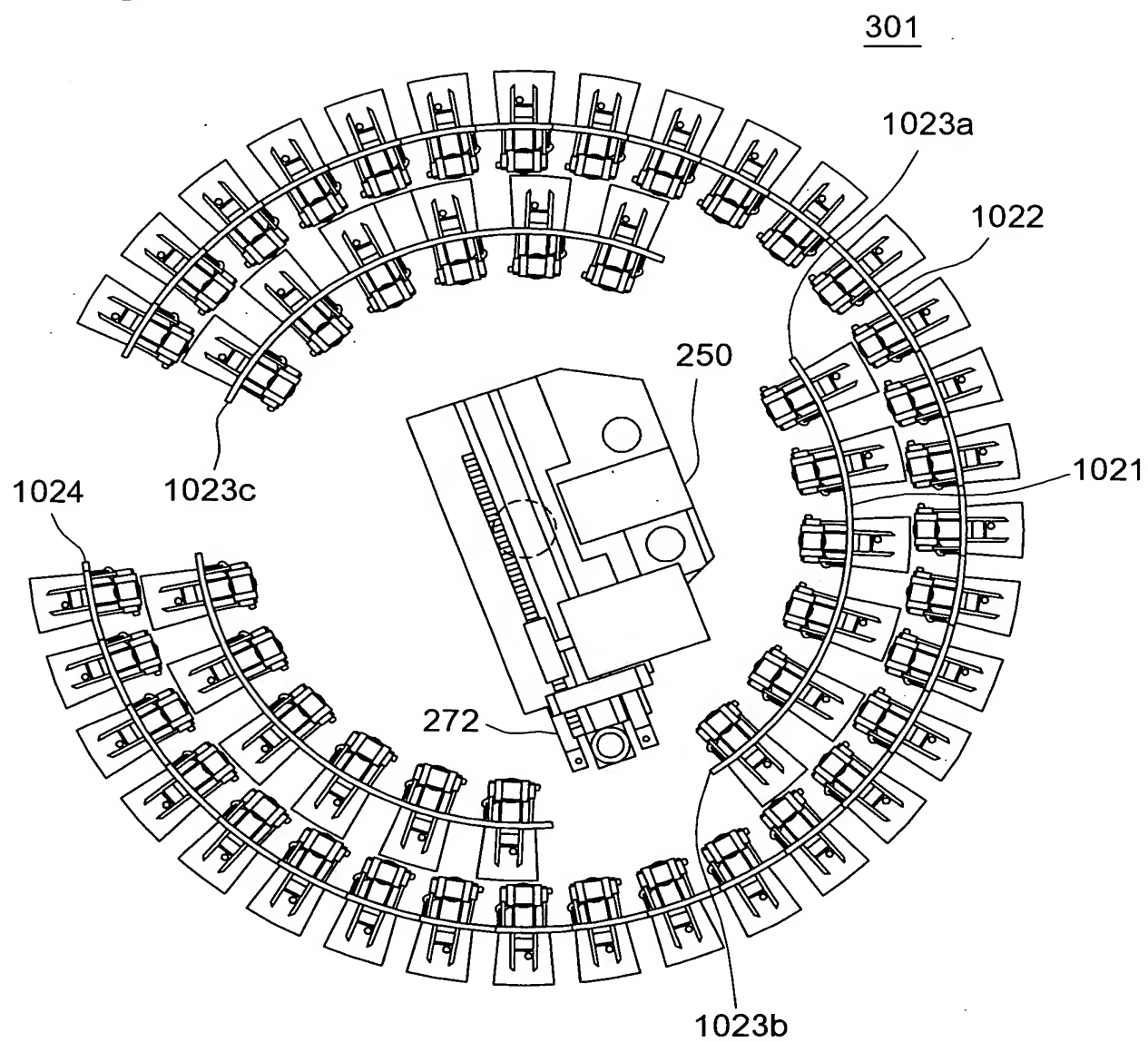


Fig.30

301

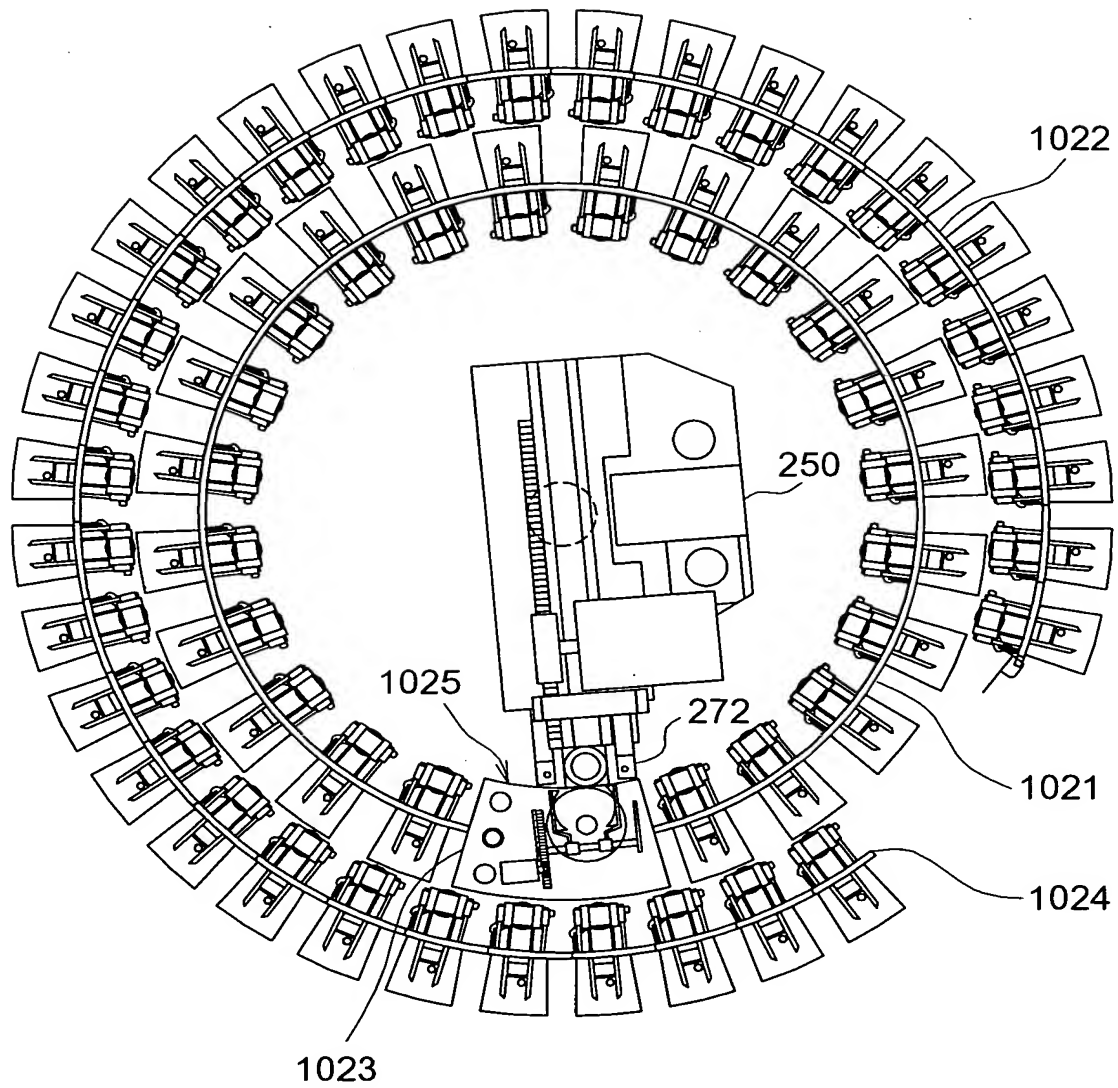


Fig.31

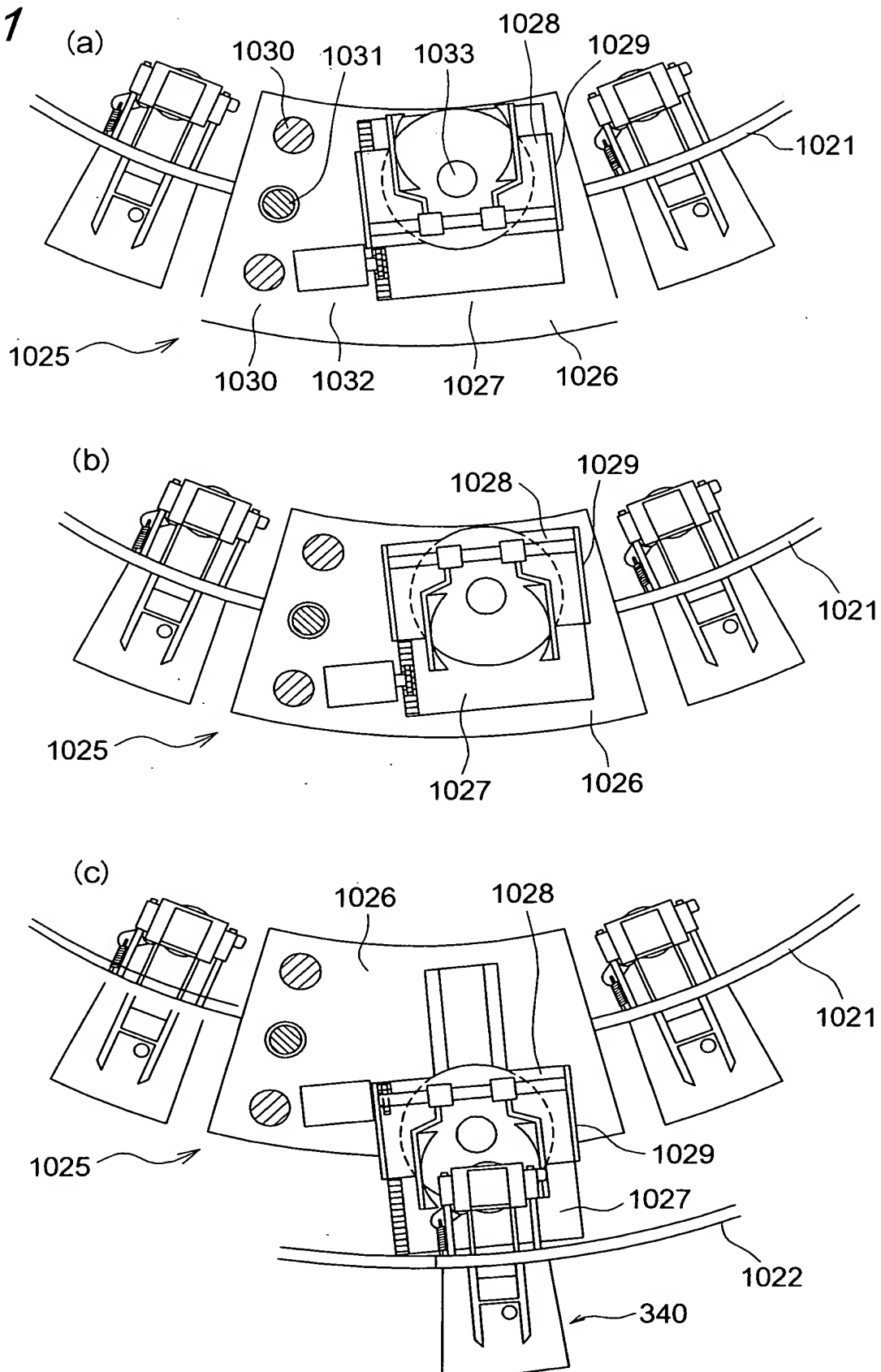


Fig.32

Double drum

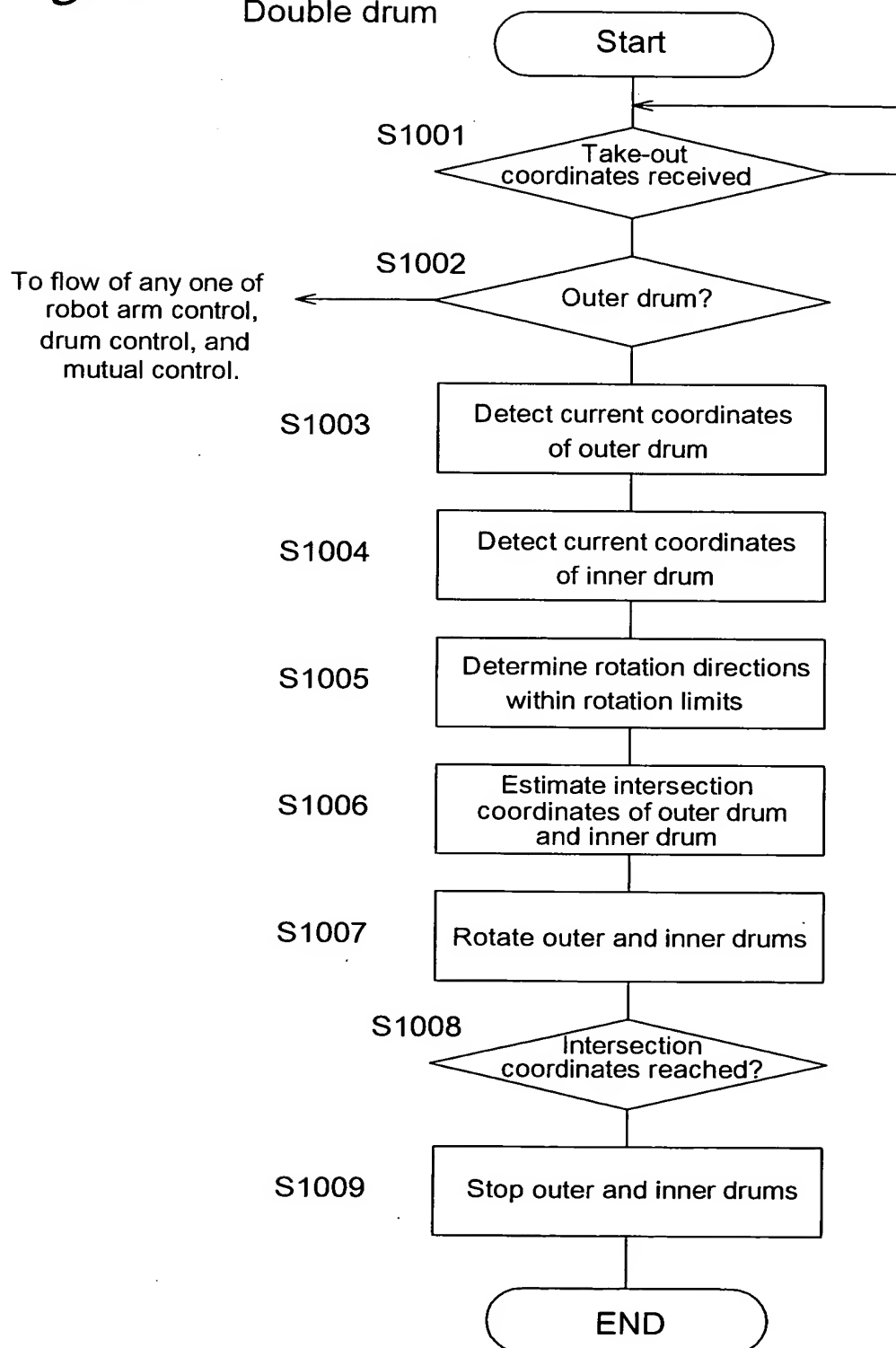


Fig.33

Auxiliary transfer robot

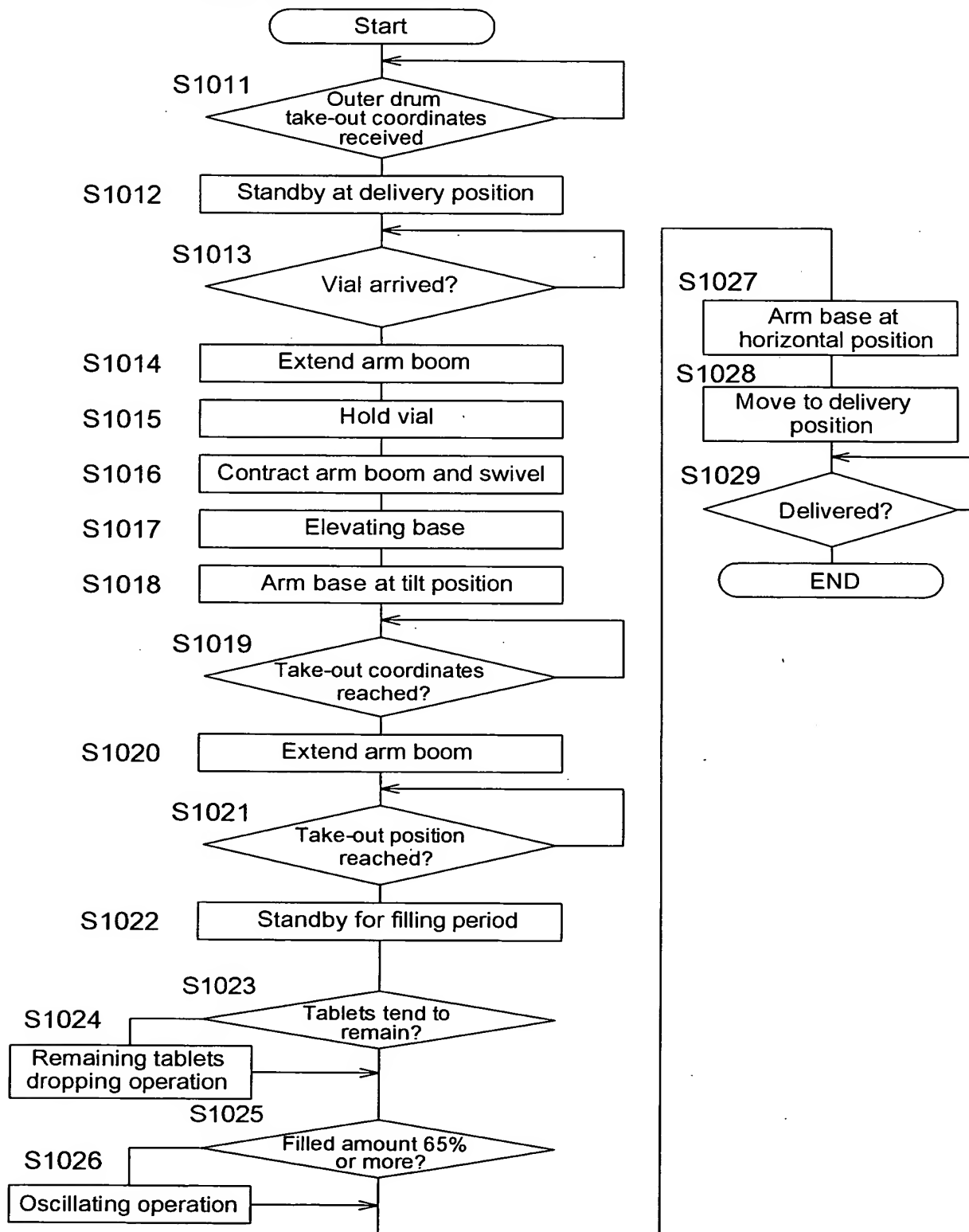


Fig. 34

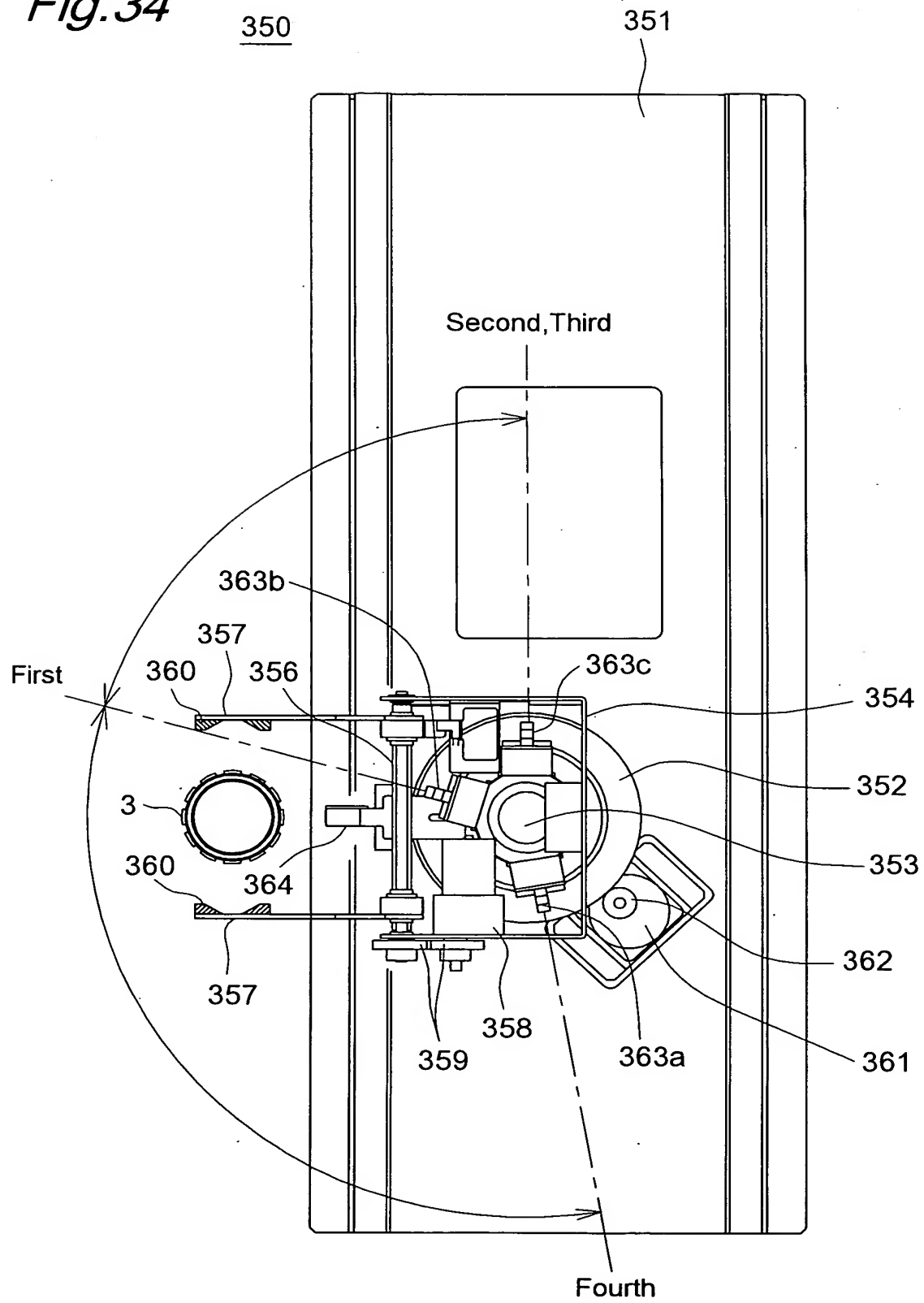


Fig.35

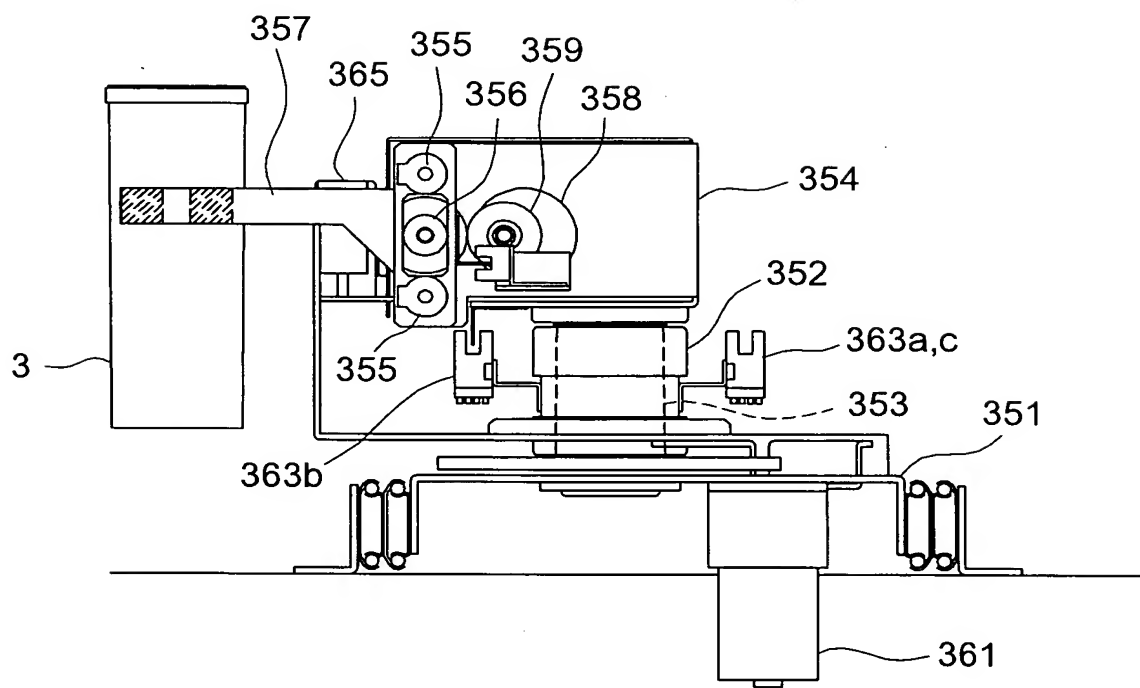


Fig.36

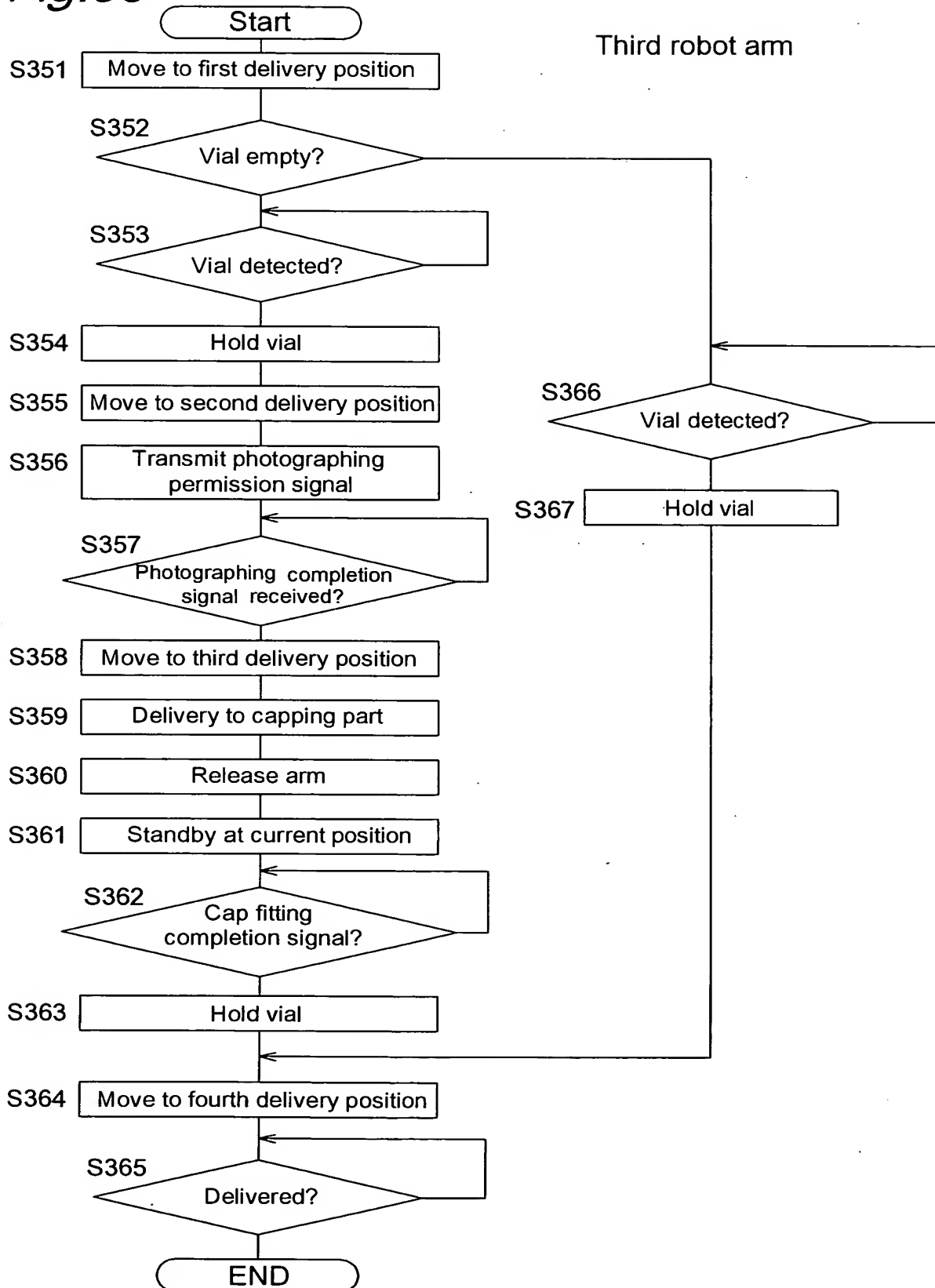


Fig.37

Photographing initialization

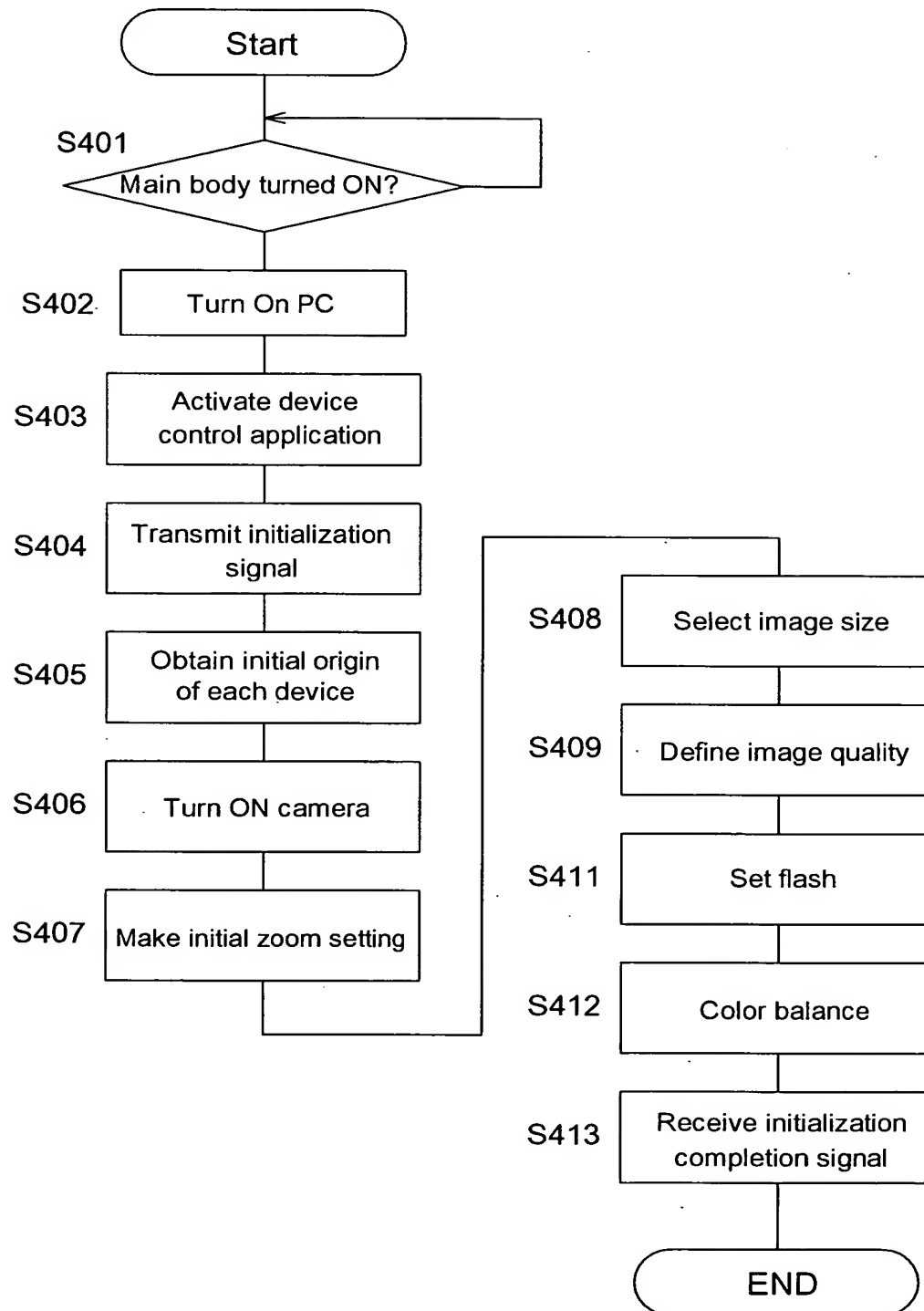


Fig.38

Photographing control

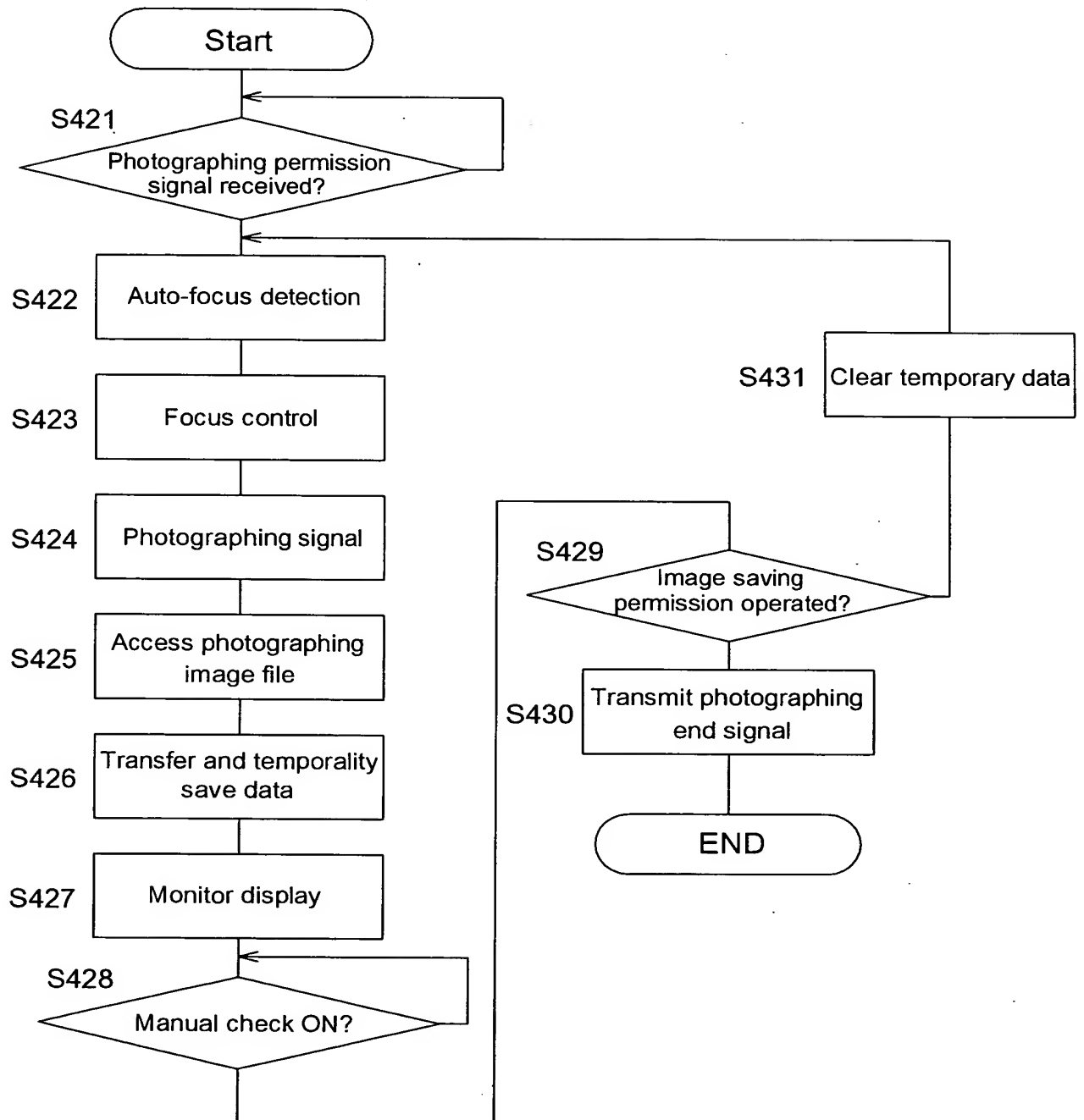


Fig. 39

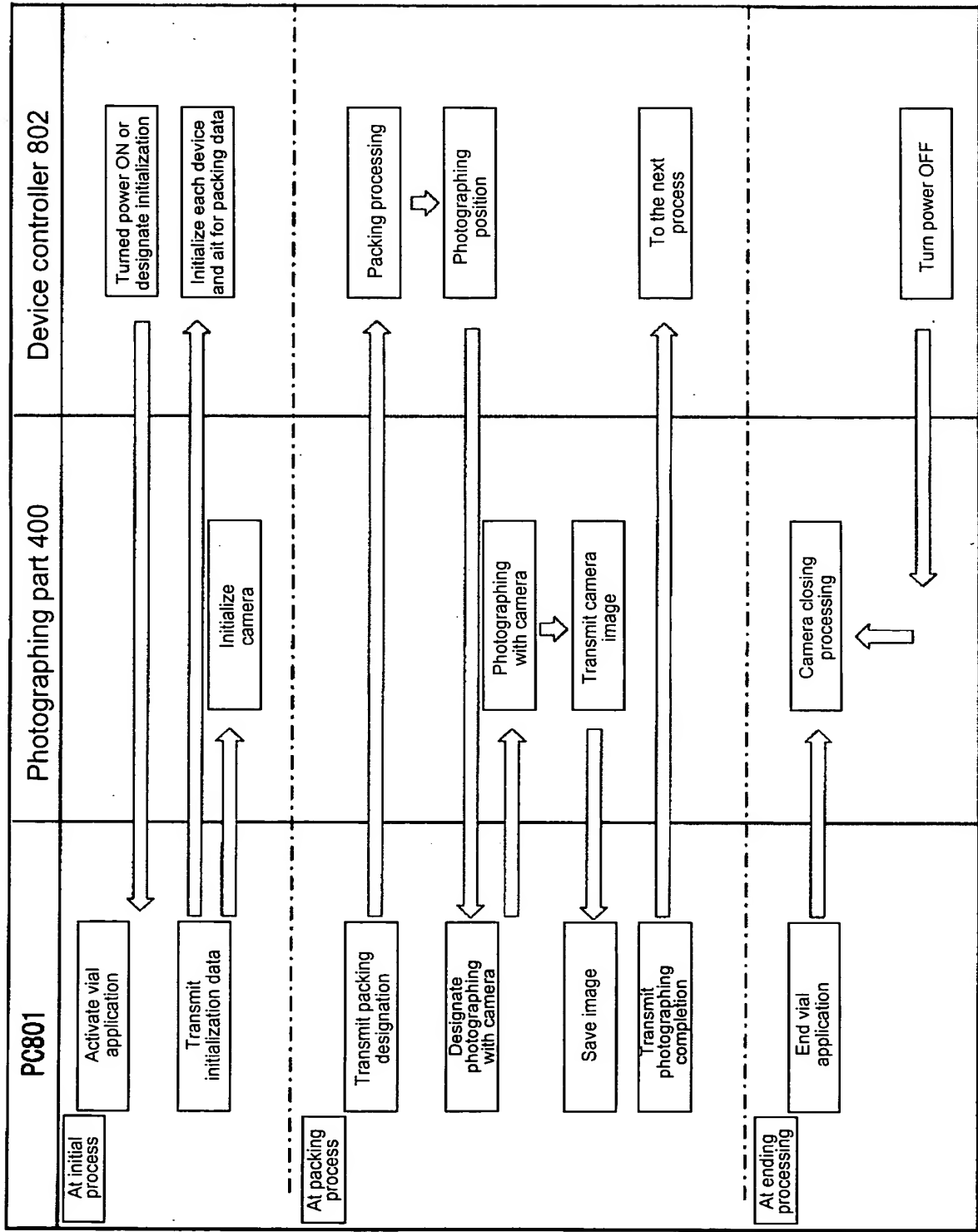


Fig. 40

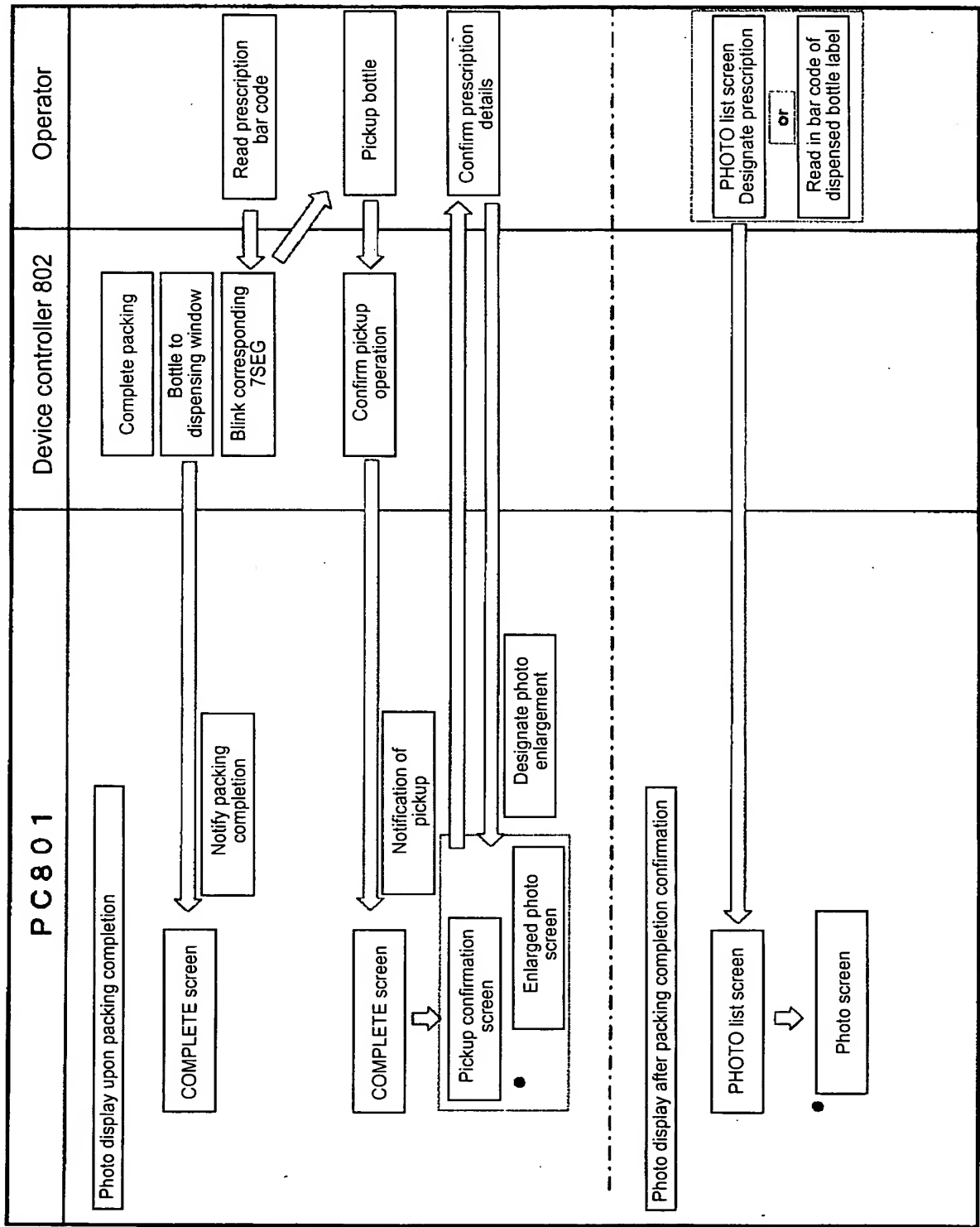


Fig.41A

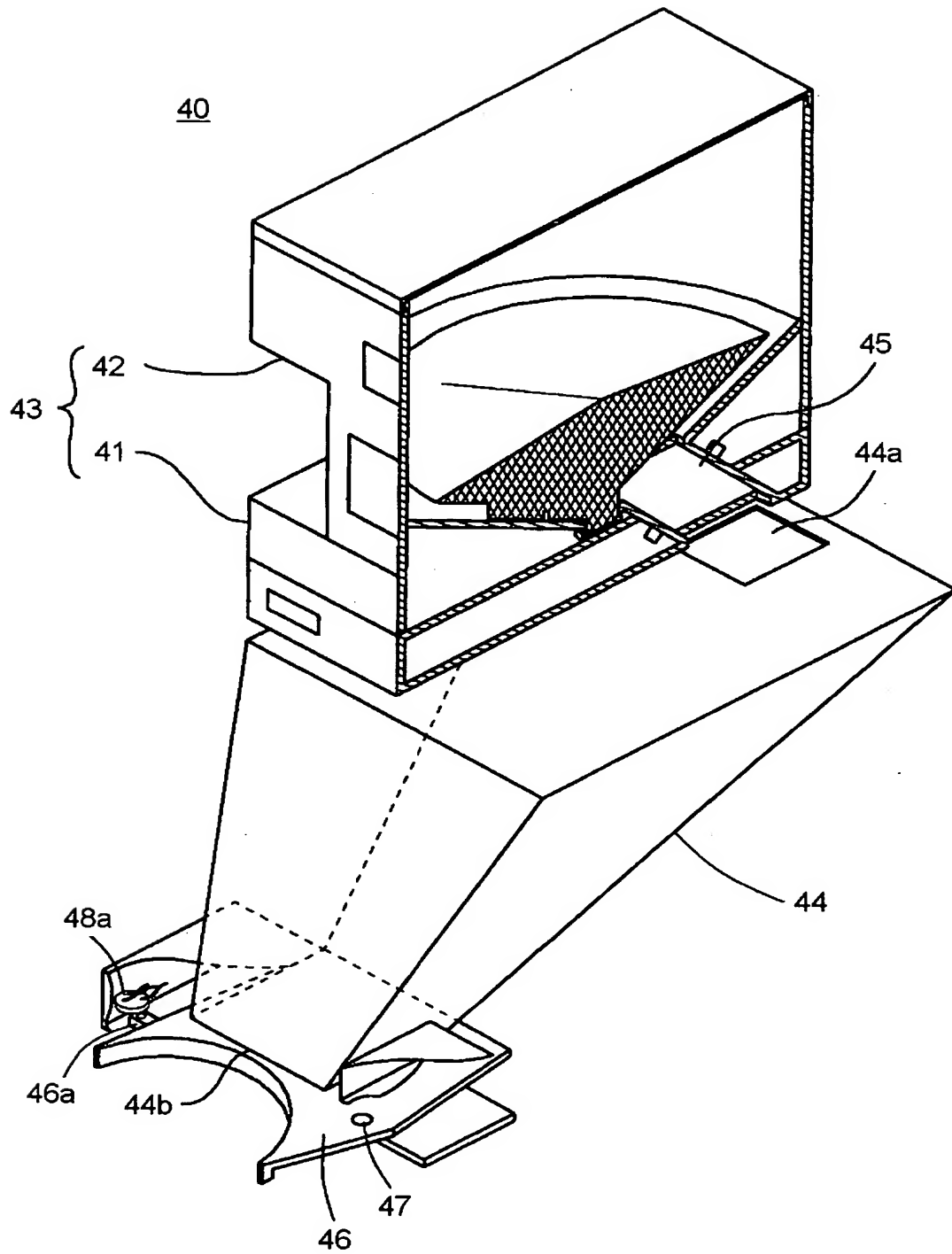


Fig.41B

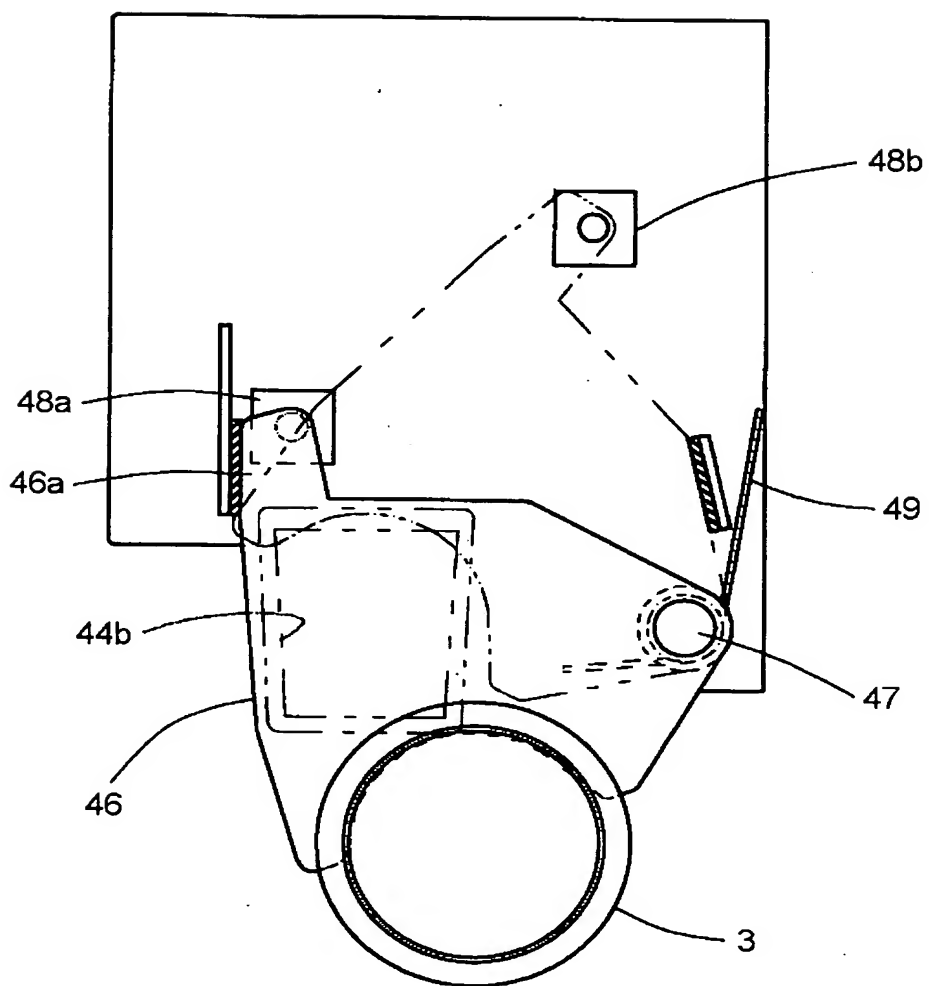


Fig.42

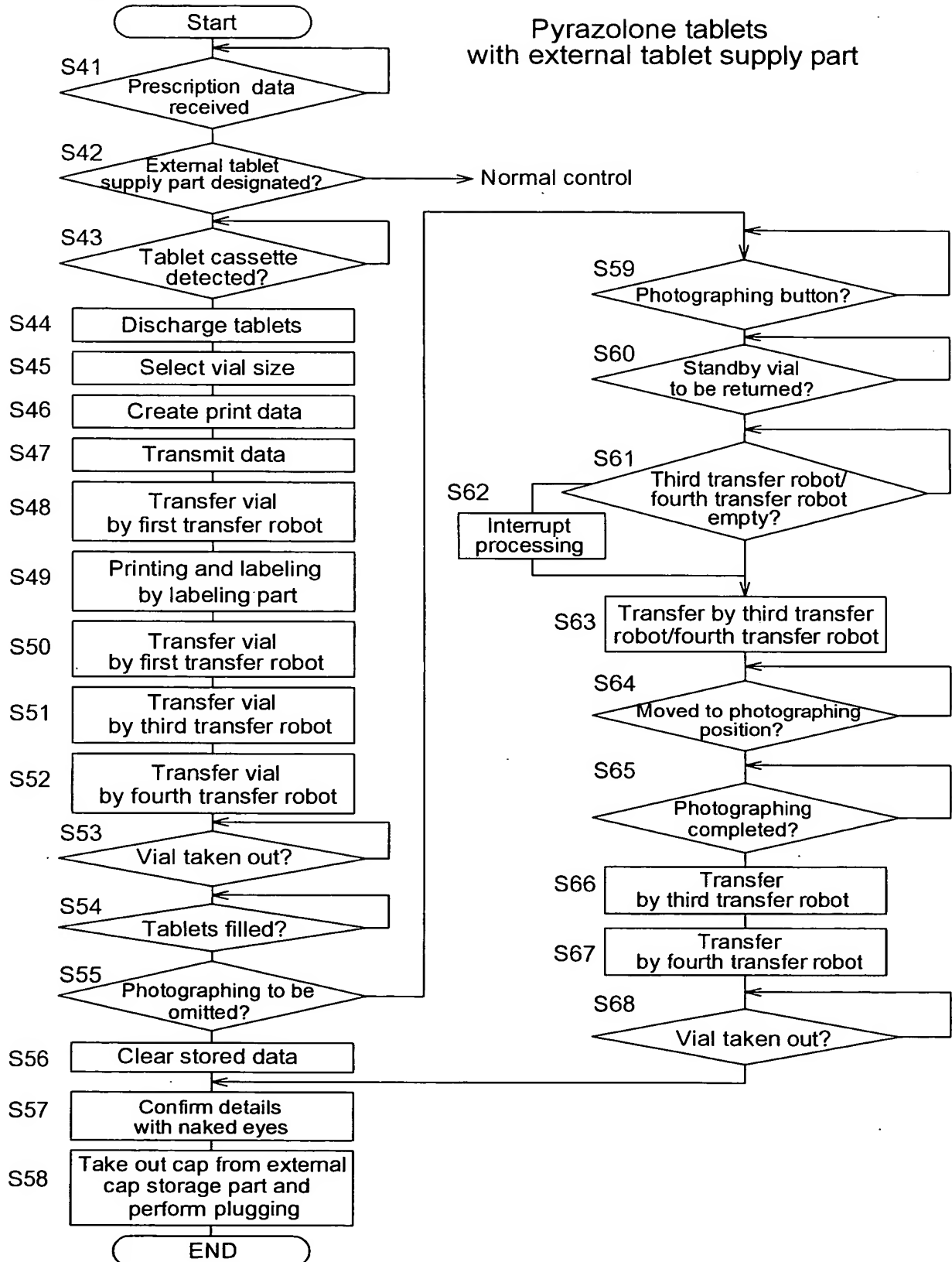


Fig.43

0.0 Main menu

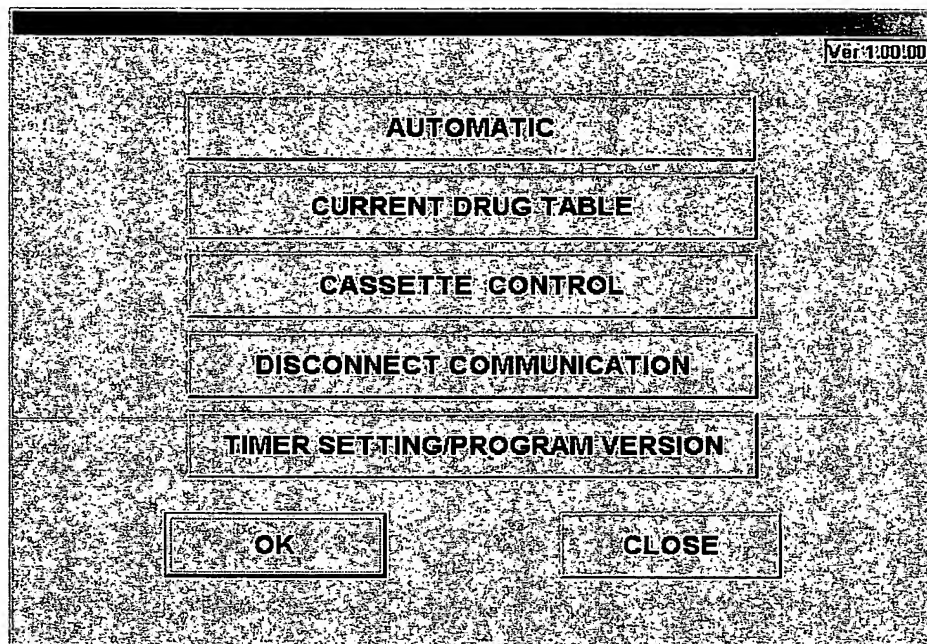
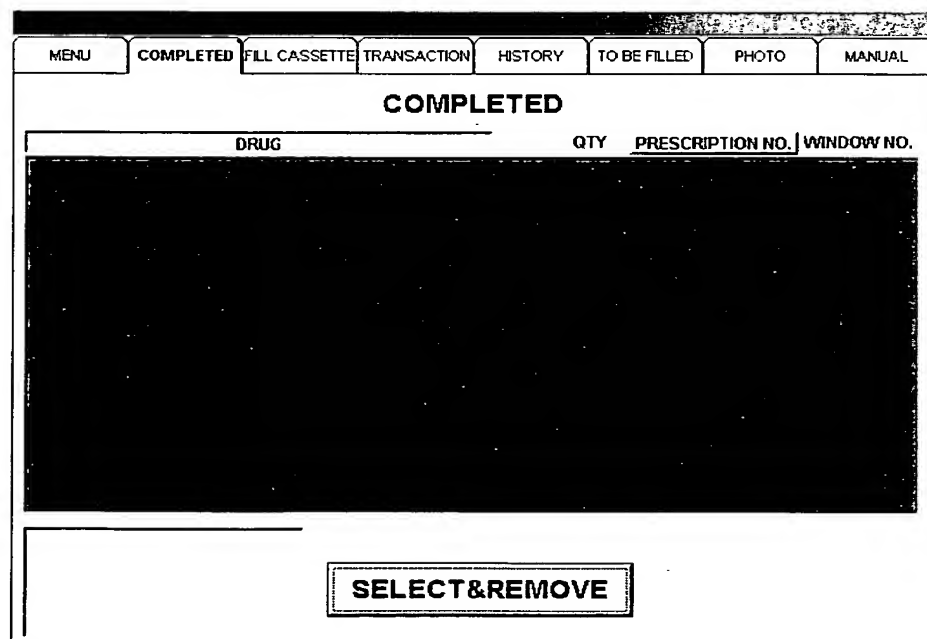


Fig.44

1.0 Automatic dispensing screen



BEST AVAILABLE COPY

Fig.45

1.1 In-process prescription list screen

MENU	COMPLETED	FILL CASSETTE	TRANSACTION	HISTORY	TO BE FILLED	PHOTO	MANUAL
------	-----------	---------------	-------------	---------	--------------	-------	--------

COMPLETED

DRUG	QTY	PRESCRIPTION NO.	WINDOW NO.
TEST008	5	0000008	1

SELECT&REMOVE

Fig.46

1.1.1 Vial take-out error confirmation screen

PRESCRIPTION INFORMATION

FOLLOWING PRESCRIPTION WILL BE DELETED FROM COMPLETED LIST

DRUG	QTY	PRESCRIPTION#	LOCATION#
TEST008	0005	0000008 - 1	

RETURN TO COMPLETED SCREEN

Fig.47 1.1.1.1 Vial interior photo display device

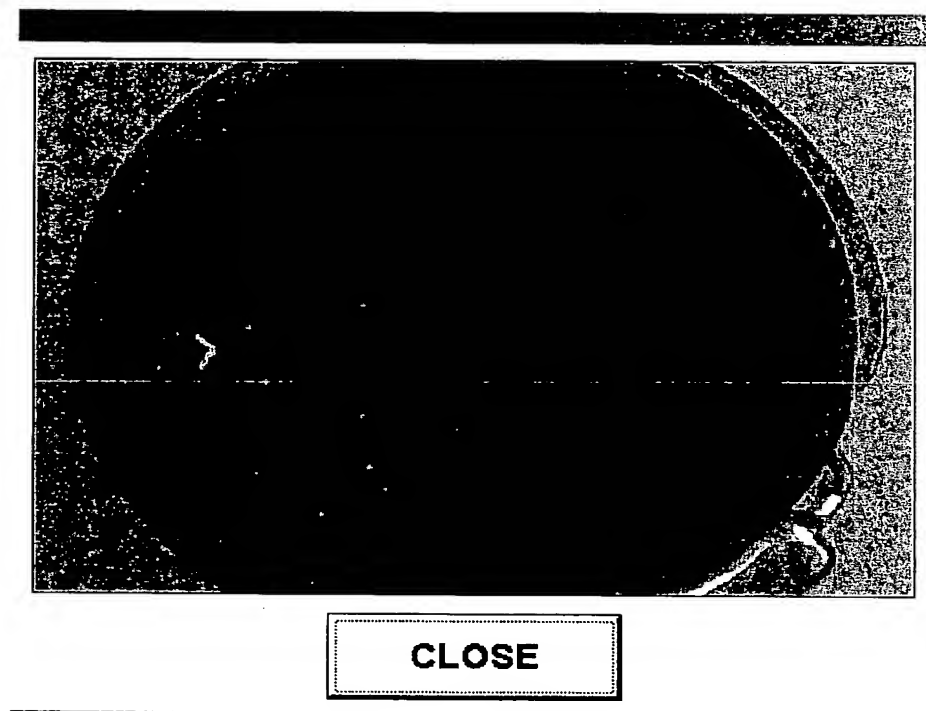


Fig.48 1.2 Drug filling cassette specification screen

MENU	COMPLETED	ILL CASSETTE	TRANSACTION	HISTORY	TO BE FILLED	PHOTO	MANUAL
------	-----------	--------------	-------------	---------	--------------	-------	--------

ENTER CASSETTE NUMBER.

CASSETTE No.

7	8	9
4	5	6
1	2	3
0	←	→
CLEAR		

OK

CANCEL

LIST

STOCKS

BEST AVAILABLE COPY

Fig.49

1.2.1a New drug registration screen

ENTER NEW DRUG

CASSETTE No. NDC CODE

CASSETTE No. of the same NDC #

DRUG NAME

MANUFACTURER

LOW LEVEL WARNING: Maximum number of Pills: 30DR 40DR 60DR

7	8	9	Q	W	E	R	T	Y	U	I	O	P
4	5	6	A	S	D	F	G	H	J	K	L	BS
1	2	3	()	Z	X	C	V	B	N	M	DEL
0			/	#	-	-	SHIFT	SPACE	ENTER			

ENTER CANCEL DATA BASE

Fig.50

1.2.1a.1 Drug list display screen

DRUG DATA BASE

NDC CODE	DRUG NAME	MANUFACTURE
000000001	TEST001	MCNEIL
000000002	TEST002	MCNEIL
000000003	TEST003	MCNEIL
000000004	TEST004	MCNEIL
000000005	TEST005	MCNEIL
000000006	TEST006	MCNEIL
000000007	TEST007	MCNEIL
000000008	TEST008	MCNEIL
000000009	TEST009	MCNEIL
000000010	TEST010	MCNEIL
000000011	TEST011	MCNEIL
000000012	TEST012	MCNEIL
000000013	TEST013	MCNEIL
000000014	TEST014	MCNEIL
000000015	TEST015	MCNEIL

ENTER CANCEL DELETE

Fig. 51 1.2.1a.1.1 NDC master drug delete screen

DELETE DRUG FROM DATA BASE

NDC #
000000001

DRUG NAME
TEST001

MANUFACTURE
MCNEIL

DO YOU WANT TO DELETE THE ABOVE DRUG FROM THE DRUG TABLE?

YES NO

Fig. 52 1.2.1b NDC code check screen

MENU COMPLETED ALL CASSETTE TRANSACTION HISTORY TO BE FILLED PHOTO MANUAL

CASSETTE # NDC # MANUFACTURER
001 000000001 MCNEIL

DRUG CASSETTE # of the same NDC #
TEST001

NDC # MANUFACTURER
000000001 MCNEIL

DRUG
TEST001

7 8 9
4 5 6
1 2 3
0

NDC # 000000001

SCAN BARCODE PACKAGE NDC OR ENTER NDC NUMBER MANUALLY. PRESS "OK" IF BOTH DRUG INFORMATION FIELDS MATCH. IF DRUG FIELDS DO NOT MATCH, CHECK THE DRUG MASTER TABLE.

OK CANCEL ENTER

BEST AVAILABLE COPY

Fig. 53

1.2.1b.1 Tablet filling screen

MENU COMPLETED ALL CASSETTE TRANSACTION HISTORY TO BE FILLED PHOTO MANUAL

CASSETTE# 001 000000001 TEST001

CASSETTE#

LOT # EXPIRY DATE QTY PHARMACIST

01/11/2004

7 8 9 Q W E R T Y U I O P

4 5 6 A S D F G H J K L BS

1 2 3 () Z X C V B N M DEL

0 . / # * SHIFT SPACE ENTER

OK CANCEL

Fig. 54

1.2.1b.1.1 Filling confirmation screen

MENU COMPLETED ALL CASSETTE TRANSACTION HISTORY TO BE FILLED PHOTO MANUAL

CASSETTE # NDC # MANUFACTURER

002 000000002 MCNEIL

CASSETTE # of the same NDC #

DRUG

TEST002

LOT # EXPIRY DATE FILLED QTY PHARMACIST

AAA 2004/01 01/11/2004 100 ABC

Return cassette to motor base and press re-start to continue dispensing

RESTART CANCEL

BEST AVAILABLE COPY

Fig. 55

1.2.2 Cassette list screen

CASSETTE#	NDC CODE	DRUG NAME
001	000000001	TEST001
002	000000002	TEST002
003	000000003	TEST003
004	000000004	TEST004
005	000000005	TEST005
006	000000006	TEST006
007	000000007	TEST007
008	000000008	TEST008
009	000000009	TEST009
010	000000010	TEST010
011	000000011	TEST011
012	000000012	TEST012

OK CANCEL

Fig. 56

1.2.3 Cassette-by-cassette tablet inventory list screen

CASSETTE#	DRUG	QTY
001	TEST001	0993
002	TEST002	0000
003	TEST003	0854
004	TEST004	0824
005	TEST005	1000
006	TEST006	307
007	TEST007	0047
008	TEST008	3759
009	TEST009	3363
010	TEST010	2077
011	TEST011	249
012	TEST012	0328
013	TEST013	0917
014	TEST014	439
015	TEST015	0293
016	TEST016	765

UPDATE CLOSE

Fig. 57

1.2.3.1 Tablet inventory change screen

MENU COMPLETED FULL CASSETTE TRANSACTION HISTORY TO BE FILLED PHOTO MANUAL

CASSETTE # 005 NDC # 000000005

DRUG TEST005

CASSETTE # of the same NDC #

NOW STOCK 1000

NEW STOCK

OK CANCEL

7 8 9
4 5 6
1 2 3
0 [Left Arrow] [Right Arrow]
CLEAR

Fig. 58

1.3 Processed prescription list screen

MENU COMPLETED FULL CASSETTE TRANSACTION HISTORY TO BE FILLED PHOTO MANUAL

TRANSACTION

DRUG	QTY	PRESCRIPTION NO.	WINDOW NO.
TEST001	5	0000001 - 1	
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01
TEST003	5	0000003 - 1	01

REFILL VIAL

Fig.59

1.4 Filling history drug selection screen

MENU	COMPLETED	FILL CASSETTE	TRANSACTION	HISTORY	TO BE FILLED	PHOTO	MANUAL
------	-----------	---------------	-------------	----------------	--------------	-------	--------

HISTORY	
NDC#	DRUG
000000001	TEST001
000000002	TEST002
000000003	TEST003
000000004	TEST004
000000005	TEST005
000000006	TEST006
000000007	TEST007
000000008	TEST008
000000009	TEST009
000000010	TEST010
000000011	TEST011
000000012	TEST012
000000013	TEST013
000000014	TEST014
000000015	TEST015
000000016	TEST016

SELECT

Fig.60

1.4.1 Filling history display screen

MENU	COMPLETED	FILL CASSETTE	TRANSACTION	HISTORY	TO BE FILLED	PHOTO	MANUAL
------	-----------	---------------	-------------	----------------	--------------	-------	--------

000000001		TEST001			
CASSETTE#	LOT#	EXPIRY	DATE	QTY	PH
001	TEST001	2004/04	05/27/2003	1000	ABC
001	test01	2003/12	06/19/2003	1000	abc
001	test02	2003/12	06/19/2003	1000	abc
001	test001	2003/12	06/19/2003	1000	abd

SAVE **CLOSE** **PRINT**

Fig. 61 1.5 Dispensing machine not-yet-transmitted
prescription list screen

MENU	COMPLETED	FILL CASSETTE	TRANSACTION	HISTORY	TO BE FILLED	PHOTO	MANUAL
------	-----------	---------------	-------------	---------	--------------	-------	--------

TO BE FILLED

DRUG	QTY	PRESCRIPTION#

DELETE

Fig. 62 1.6 Dispensed vial photo list screen

MENU	COMPLETED	FILL CASSETTE	TRANSACTION	HISTORY	TO BE FILLED	PHOTO	MANUAL
------	-----------	---------------	-------------	---------	--------------	-------	--------

DATE	TIME	SERIALNO	DRUG	QTY

SHOW

BEST AVAILABLE COPY

Fig.63

1.6.1 Photo display screen

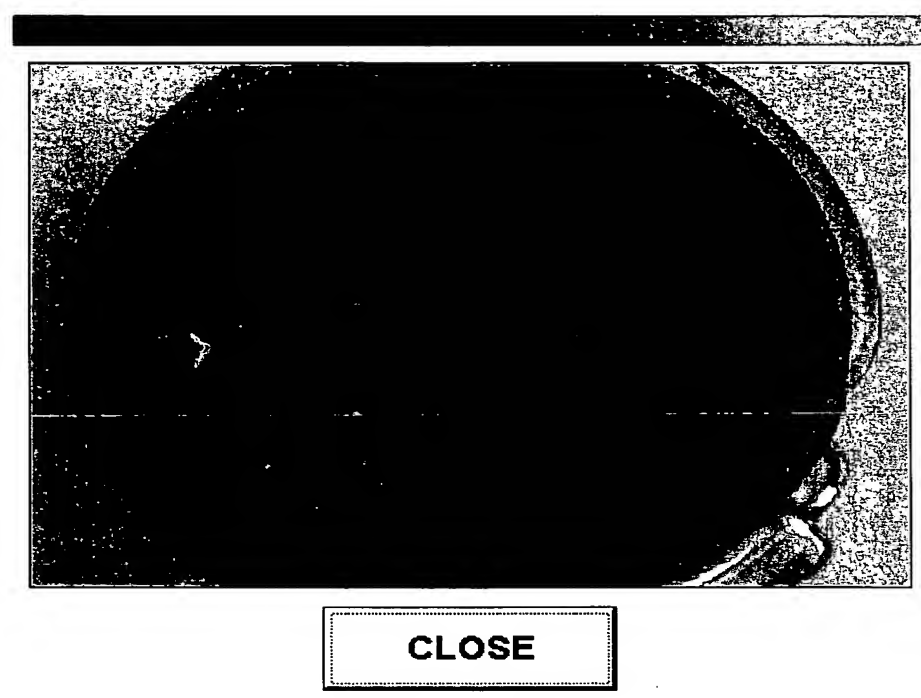


Fig.64 1.7 Manual dispensing cassette designation screen

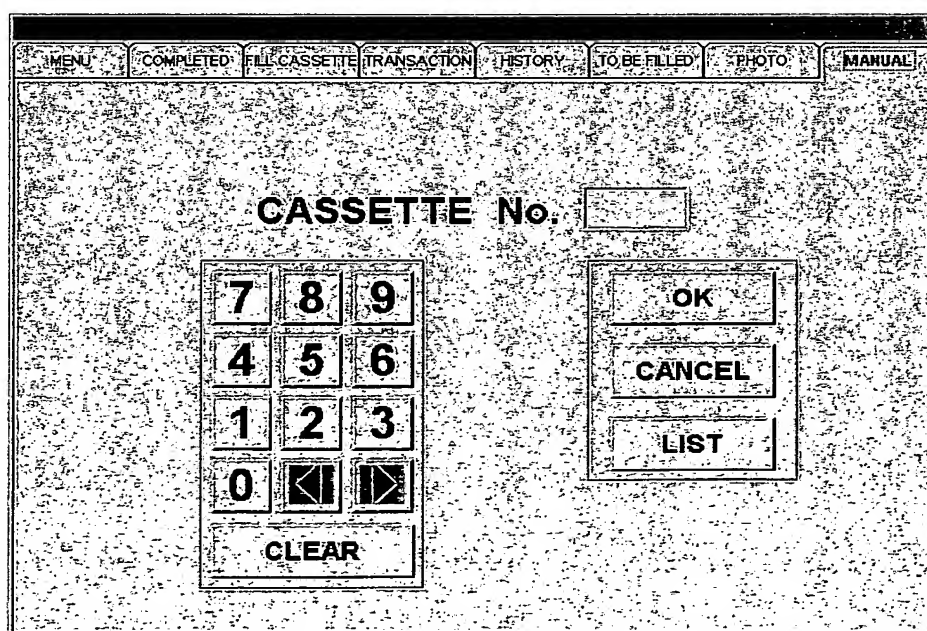


Fig.65

1.7.1 Manual dispensed tablet quantity designation screen

MENU		COMPLETED		FILL CASSETTE		TRANSACTION		HISTORY		TO BE FILLED		PHOTO		MANUAL	
CASSETTE #				NDC #				MANUFACTURER							
001				000000001				MCNEIL							
CASSETTE # of the same NDC #															
<div> <div>7</div><div>8</div><div>9</div> <div>4</div><div>5</div><div>6</div> <div>1</div><div>2</div><div>3</div> <div>0</div><div>◀</div><div>▶</div> <div>CLEAR</div> </div>															
QTY				VIAL SIZE				VIAL QTY				CAP'S EXISTENCE			
				30DR								<input type="radio"/> CAP <input type="radio"/> NO CAP			
				40DR											
				60DR											
Maximum number of Pills: 30DR: 100 40DR: 200 60DR: 300															
<div>OK</div> <div>CANCEL</div>															

Fig.66

1.7.2 Cassette list screen

CASSETTE #	NDC CODE	DRUG NAME
001	000000001	TEST001
002	000000002	TEST002
003	000000003	TEST003
004	000000004	TEST004
005	000000005	TEST005
006	000000006	TEST006
007	000000007	TEST007
008	000000008	TEST008
009	000000009	TEST009
010	000000010	TEST010
011	000000011	TEST011
012	000000012	TEST012
013	000000013	TEST013

OK

CANCEL

BEST AVAILABLE COPY

Fig.67

2.0 Drug table list screen

CURRENT DRUG TABLE MAINTENANCE

CASSETTE	NDC CODE	DRUG NAME	MANUFACTURE
001	000000001	TEST001	MCNEIL
002	000000002	TEST002	MCNEIL
003	000000003	TEST003	MCNEIL
004	000000004	TEST004	MCNEIL
005	000000005	TEST005	MCNEIL
006	000000006	TEST006	MCNEIL
007	000000007	TEST007	MCNEIL
008	000000008	TEST008	MCNEIL
009	000000009	TEST009	MCNEIL
010	000000010	TEST010	MCNEIL
011	000000011	TEST011	MCNEIL
012	000000012	TEST012	MCNEIL
013	000000013	TEST013	MCNEIL
014	000000014	TEST014	MCNEIL
015	000000015	TEST015	MCNEIL

Fig.68

2.1 Deleted drug confirmation screen

DELETE DRUG

CASSETTE #
 NDC #
 CASSETTE # of the same NDC #

DRUG NAME

MANUFACTURE

DO YOU WANT TO DELETE THE ABOVE DRUG FROM THE DRUG TABLE?

BEST AVAILABLE COPY

Fig. 69

3.0 Tablet cassette control screen

Cassette Position Control

CASSETTE

CASSETTE No.

COUNTER

<< CENTER >>

CASSETTE No.

SEARCH CLOSE

7	8	9
4	5	6
1	2	3
0	◀	▶
CLEAR		

Fig. 70

4.0 Host disconnection screen

☒ Disconnect communication, delete all unfilled Rx data and close Vial Filling Application

☐ Disconnect communication, return to COMPLETED screen and complete all unfilled Rx data remain in queue

OK CANCEL

BEST AVAILABLE COPY

Fig.71

5.0 Date update time setting screen

MENU SET UP

Daily CLEAN UP

START TIME 17 37 00

PROGRAM VERSION

7 8 9
4 5 6
1 2 3
0 ◀ ▶

OK
CANCEL

Fig.72

5.1 Program version information display screen

PC			
USJ	Ver 1.00.00	D:\usj(D-CE^fJfDf%efXfg)\Jui\USJ.EXE	2004/01/06 9:03:31
COMMPROG	VER 1.01.01	D:\usj(D-CE^fJfDf%efXfg)\Jui\USJ.EXE	2004/01/06 9:03:31
GATEWAY	VER 1.01.01	D:\usj(D-CE^fJfDf%efXfg)\Jui\USJ.EXE	2004/01/06 9:03:31
PRTWRT	VER 1.01.01	D:\usj(D-CE^fJfDf%efXfg)\Jui\USJ.EXE	2004/01/06 9:03:31
CLEANUP	VER 1.01.01	D:\usj(D-CE^fJfDf%efXfg)\Jui\USJ.EXE	2004/01/06 9:03:31
MACHINE			
			QUIT